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WORKFORCE STYLE

STERLING **BANK** **STUDY PACK** **for Graduate Trainee Job Test**

2018/19
Update

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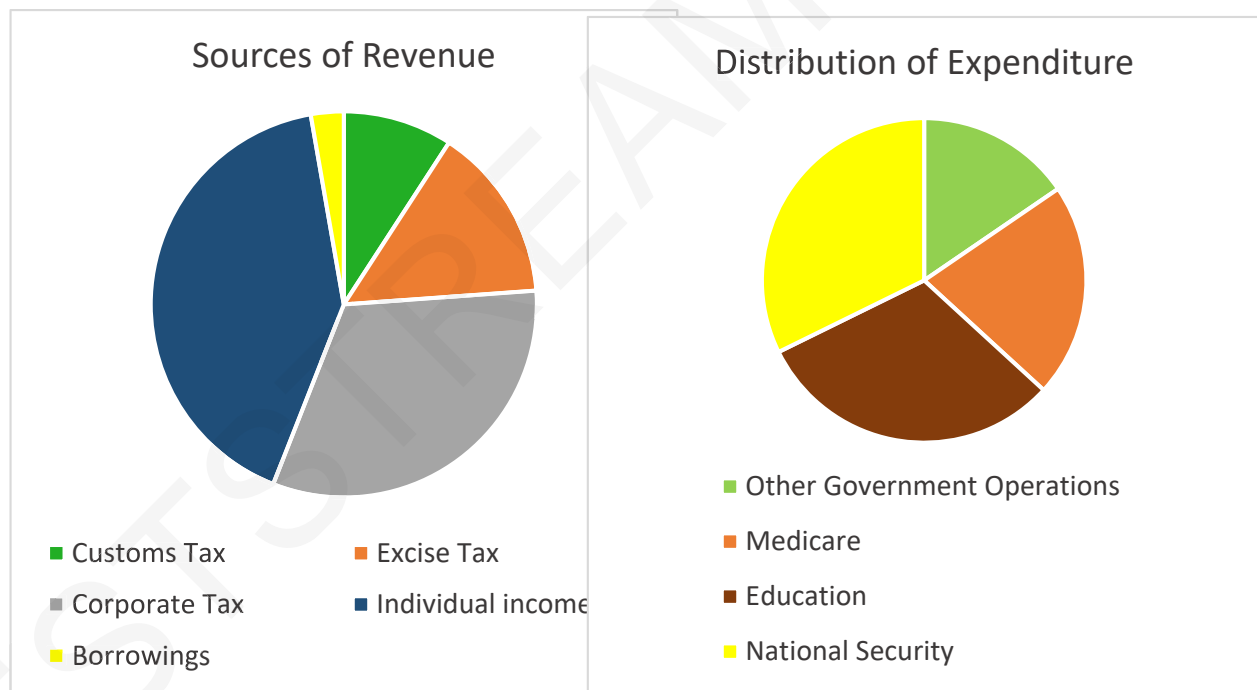
SECTION 1: NUMERICAL REASONING

TEST ONE

There are 20 questions in this test. Answer as many questions as you can in 20 minutes. Do not spend too much time on one question. You can come back to it later if you still have time.

Study the chart and on the basis of the data presented, answer the questions that follow.

REVENUE AND EXPENDITURE OF THE U.S IN 1987(IN BILLION)



Question 1

Of every dollar received by the federal government, how much (in cents) is from corporate sources?

- A. 32
- B. 70
- C. 30

Question 2

What percentage of the federal revenue is derived from borrowings?

- A. 0.002
- B. 0.0002
- C. 0.027
- D. 0.012

Expenditures of a Company (in million dollars) per Annum Over the given Years.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Question 3

What is the average amount of interest per year which the company had to pay during this period?

- A. \$32.43 million
- B. \$33.73 million
- C. \$34.18 million
- D. \$36.66 million

Question 4

Approximately what percent of the total salary paid by the company during this period was bonus?

- A. 0.1%
- B. 0.5%
- C. 1%
- D. 1.25%

Question 5

What is the percentage increase in total expenditure between 1998 and 2002?

- A. 62%
- B. 66%
- C. 50%
- D. 71%

Question 6

What is the total expenditure of the company in year 2000?

- A. \$544.44 million
- B. \$501.11 million
- C. \$446.46 million
- D. \$478.87 million

Question 7

What is the ratio between the total expenditure on taxes and the total expenditure on fuel and transport for the period under review?

- A. 4:7
- B. 10:3
- C. 15:18
- D. 5:8

State	Year									
	1997		1998		1999		2000		2001	
	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

Question 8

What is the percentage change in qualified candidates from all the states between 1997 and 1998?

- A. 12% increase
- B. 12% decrease
- C. 25.7% increase
- D. 25.7% decrease

Question 9

What is the average number of candidates who appeared from State Q during the period under review?

- A. 8700
- B. 8760
- C. 8990
- D. 8920

Question 10

In which of the years did State P have the maximum percentage of qualified candidates?

- A. 1997

- B. 1998
- C. 1999
- D. 2001

Question 11

What percentage of candidates from state N qualified during the years under review?

- A. 12.36%
- B. 12.16%
- C. 11.47%
- D. 11.15%

Question 12

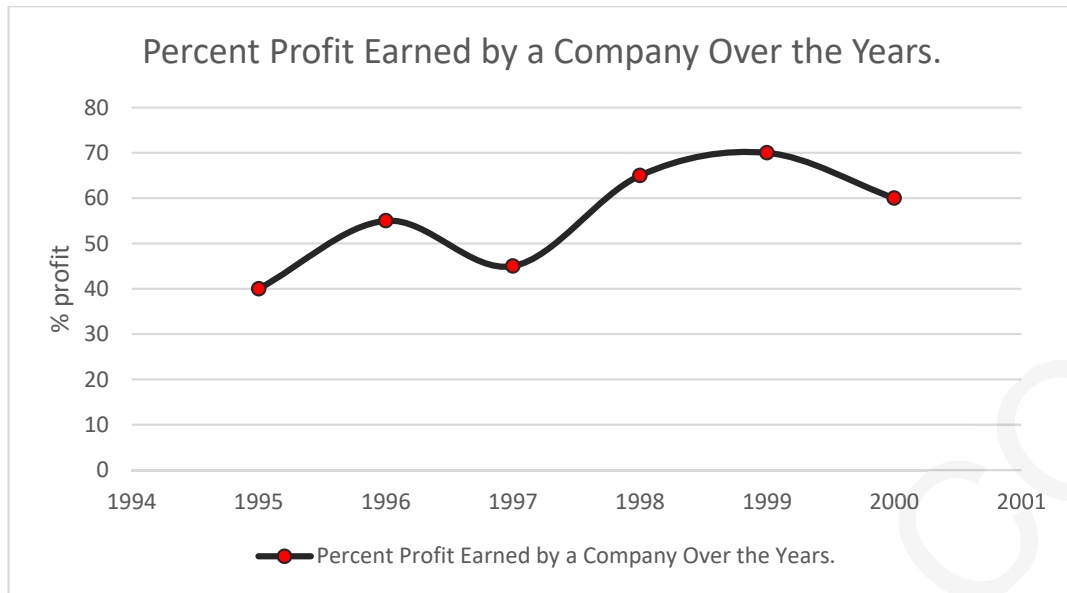
What percentage of candidates from all the five states qualified during the five year period?

- A. 11.49%
- B. 11.84%
- C. 12.21%
- D. 12.57%

Question 13

What percentage of candidates who qualified in 1998 were either from State P or State Q?

- A. 43.2%
- B. 31.4%
- C. 32.3%
- D. 22.5%



Question 14

If the expenditures in 1996 and 1999 are equal, what is the ratio of the income in 1996 and 1999?

- A. 1:1
- B. 2:03
- C. 13:14
- D. 9:10

Question 15

If the income in 1998 was \$264 million, what was the expenditure in 1998?

- A. \$104 million
- B. \$145 million
- C. \$160 million
- D. \$185 million

Question 16

In which year was the expenditure minimum?

- A. 2000

- B. 1997
- C. 1996
- D. Cannot be determined

Question 17

If the profit in 1999 was \$4 million, what was the profit in 2000?

- A. \$4.2 million
- B. \$6.6 million
- C. \$6.8 million
- D. Cannot be determined

Question 18

What is the average profit earned over the given years?

- A. $152/3$
- B. $335/6$
- C. $361/6$
- D. 335

Question 19

During which of the following years was the ratio of income to the expenditure the minimum

- A. 1996
- B. 1997
- C. 1998
- D. 1999

Question 20

During which year was the ratio of percentage profit earned to that in the previous year the minimum?

- A. 1996

- B. 1997
- C. 1998
- D. 1999

TEST TWO

Quantitative Reasoning - (20 minutes)

There are 20 questions in this test and you should answer as many as you can.

The following tables gives the percentage distribution of population of five states, P, Q, R, S and T on the basis of poverty line and also on the basis of sex.

State	Percentage of Population below the Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		M:F	M:F
P	35	5:6	6:7
Q	25	3:5	4:5
R	24	1:2	2:3
S	19	3:2	4:3
T	15	5:3	3:2

Question 1

If the male population above poverty line for State R is 1.9 million, what is population of State R?

- A. 4.5 million
- B. 4.85 million
- C. 5.35 million
- D. 6.25 million

Question 2 What is the number of females above the poverty line in the State S if it is known that the population of State S is 7 million?

- A. 3 million
- B. 2.43 million
- C. 1.33 million
- D. 5.7 million

Question 3

What is the male population above poverty line for State P if the female population below poverty line for State P is 2.1 million?

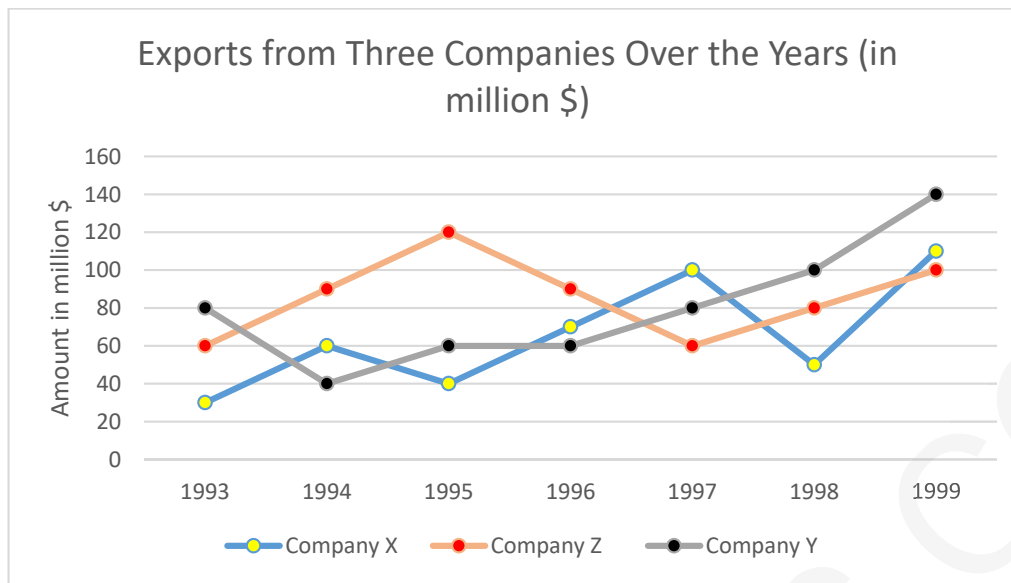
- A. 2.1 million
- B. 2.3 million
- C. 2.7 million
- D. 3.3 million

Question 4

If the population of males below poverty line for State Q is 2.4 million and that for State T is 6 million, what is the ratio of the population of State Q to that of State T?

- A. 1:3
- B. 2:5
- C. 3:7
- D. 4:9

Study the following line graph answer the questions.



Question 5

By how many percentage is the average annual export of Company Z higher than that of Company Y during the period under review?

- A. 19.3%
- B. 7.1%
- C. 2.5%
- D. 13.8%

Question 6

What was the difference between the average exports of the three Companies in 1993 and their average exports in 1998?

- A. \$15.33 million
- B. \$18.67 million
- C. \$20 million
- D. \$22.17 million

Question 7

In which years was exports from company X higher than from company Z?

- A. 1997 only
- B. 1993 and 1997
- C. 1997 & 1999
- D. 1994 & 1995

Question 8

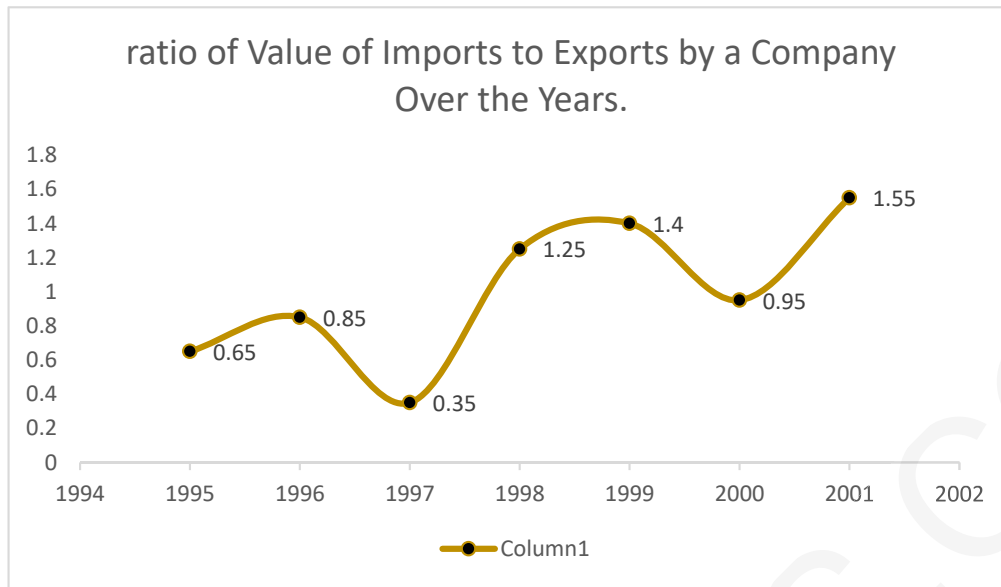
For which of the following years was the aggregate exports from the three Companies equal?

- A. 1995 and 1998
- B. 1996 and 1998
- C. 1997 and 1998
- D. 1995 and 1996

Question 9

In which year(s) was the exports from company Z greater than the combined exports from Company X and Y?

- A. 1994
- B. 1995
- C. 1996
- D. 1997



Question 10

If the imports of the company in 1996 was \$272 million. What was the exports in 1996?

- A. \$370 million
- B. \$320 million
- C. \$280 million
- D. \$275 million

Question 11

In what year were the imports minimum in proportion to the exports of the company?

- A. 1995
- B. 1996
- C. 1997
- D. 2000

Question 12

What was the percentage increase in imports from 1997 to 1998 ?

- A. 72
- B. 56
- C. 28
- D. Insufficient data

Question 13

In how many of the given years were the exports more than the imports?

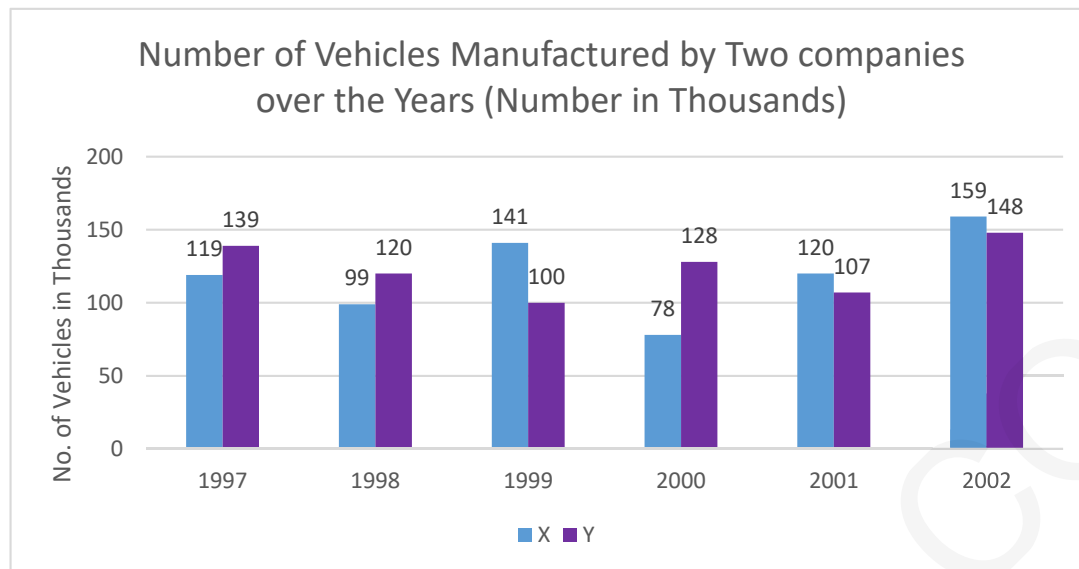
- A. 1
- B. 2
- C. 3
- D. 4

Question 14

If the imports in 1998 was \$250 million and the combined exports in the years 1998 and 1999 was \$500 million, what was the imports in 1999?

- A. \$250 million
- B. \$300 million
- C. \$357 million
- D. \$420 million

Study the following line graph and answer the question based on it.



Question 15

What is the difference between the number of vehicles manufactured by Company Y in 2000 and 2001?

- A. 21000
- B. 42000
- C. 33000
- D. 50000

Question 16

What is the difference between the total productions of the two Companies from 1997 to 2002?

- A. 19000
- B. 22000
- C. 26000
- D. 28000

Question 17

What is the average number of vehicles manufactured by Company X per year?

- A. 119333

- B. 113666
- C. 112778
- D. 111223

Question 18

In which of the following years was the difference between the productions of Companies X and Y highest?

- A. 1997
- B. 1998
- C. 1999
- D. 2000

Question 19

The production of Company Y in 2000 was approximately what percent of the production of Company X in the same year?

- A. 173%
- B. 164%
- C. 132%
- D. 97%

Question 20

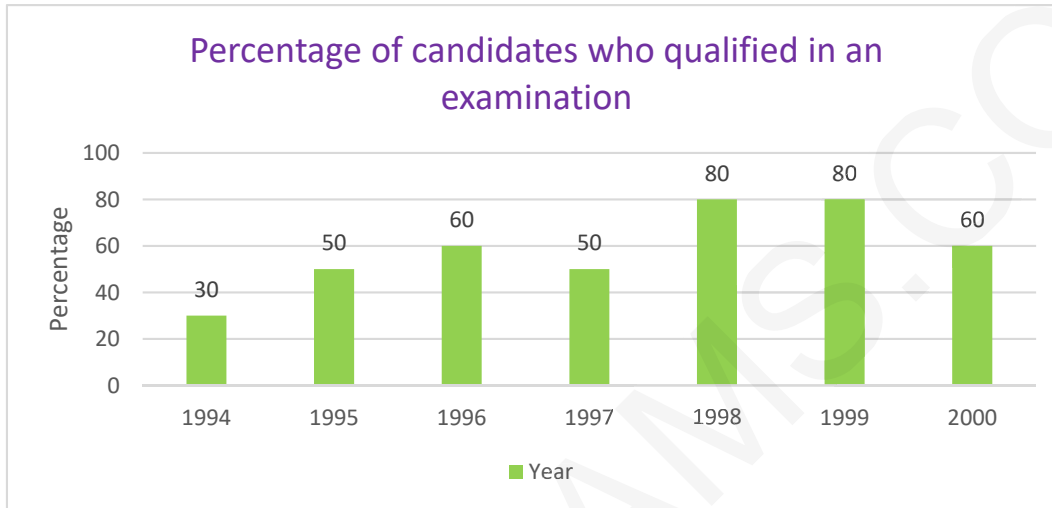
If the expenditure of Company Y in 1997 was \$220 million, what was its income in 1997?

- A. \$312 million
- B. \$297 million
- C. \$283 million
- D. \$275 million

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Quantitative Reasoning - (20 minutes)

There are 20 questions in this test and you should answer as many as you can.



The following line graph gives the percentage of the number of candidates who qualified an examination out of the total number of candidates who appeared for the examination over a period of seven years from 1994 to 2000

Question 1

Between which two years was the difference in the percentage of candidates who qualified maximum?

- A. 1994 and 1995
- B. 1997 and 1998
- C. 1998 and 1999
- D. 1999 and 2000

Question 2

In which pair of years was the number of qualified candidates the same?

- A. 1995 and 1997
- B. 1995 and 2000
- C. 1998 and 1999
- D. Data Insufficient

Question 3

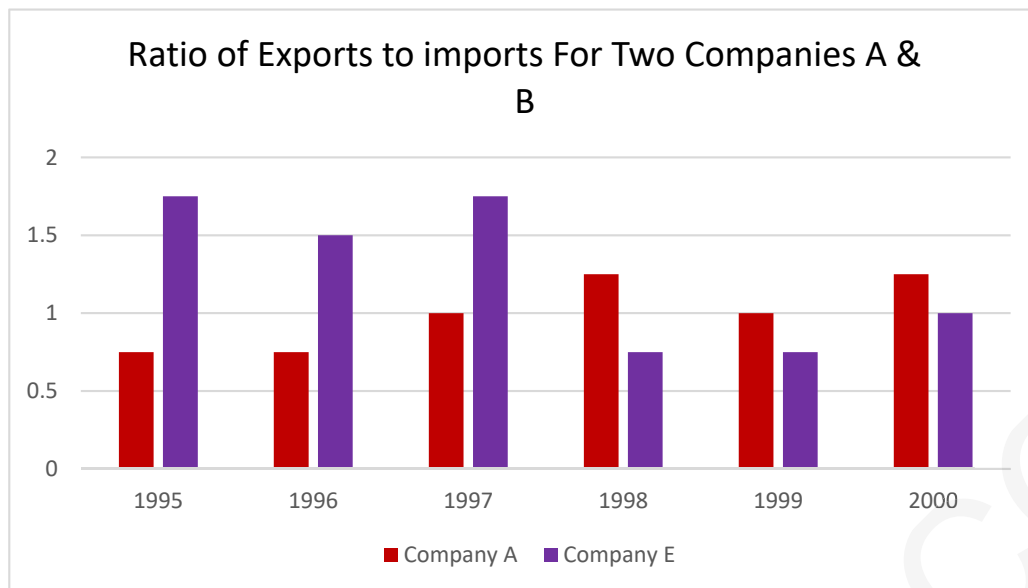
If the number of candidates who qualified in 1998 was 21200, what was the number of candidates who appeared in 1998?

- A. 32000
- B. 28500
- C. 26500
- D. 25000

Question 4

The total number of candidates who qualified in 1999 and 2000 together was 33500 and the number of candidates who appeared in 1999 was 26500. What was the number of candidates who appeared in 2000?

- A. 24500
- B. 22000
- C. 20500
- D. 19000



Question 5

In how many years were the exports more than the imports for Company A?

- A. 2
- B. 3
- C. 4
- D. 5

Question 6

If the imports of Company A in 1997 was increased by 40 percent, what would be the ratio of exports to imports?

- A. 1.20
- B. 1.25
- C. 1.30
- D. cannot be determined

Question 7

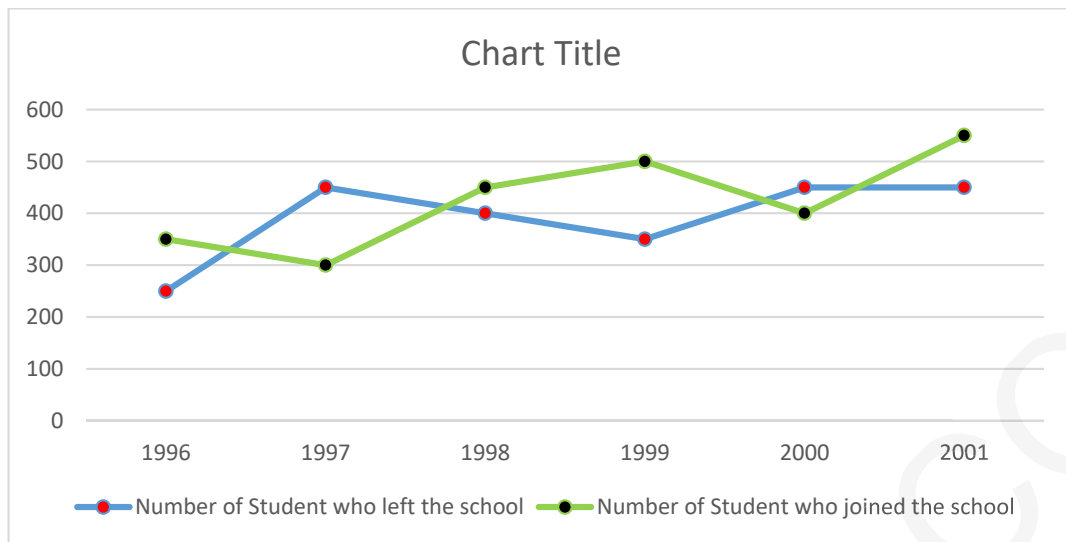
If the exports of Company A in 1998 was \$237 million, what was the amount of imports in that year?

- A. \$189.6 million
- B. \$ 243 million
- C. \$281 million
- D. \$316 million

Question 8

In 1995, the export of Company A was double that of Company B. If the imports of Company A during the year was \$180 million, what was the approximate amount of imports of Company B during that year?

- A. \$190 million
- B. \$210 million
- C. \$225 million
- D. Cannot be determined



Question 9

What was the number of students studying in the school during 1999?

- A. 2950
- B. 3000
- C. 3100
- D. 3150

Question 10

For which year was the percentage change in the number of students who left the school compared to the previous year maximum?

- A. 1997
- B. 1998
- C. 1999
- D. 2000

Question 11

The strength of school changed from 1997 to 1998 by approximately what percent?

- A. 1.2% increase
- B. 1.2% decrease
- C. 1.7% increase
- D. 1.7% decrease

Question 12

The number of students studying in the school in 1998 was what percent of the number of students studying in the school in 2001?

- A. 92.13%
- B. 93.75%
- C. 96.88%
- D. 97.25%

Question 13

What is the ratio of the least number of students who joined the school to the highest number of students who left the school in any of the years?

- A. 7:9
- B. 4:5
- C. 3:4
- D. 2:3

Question 14

During which of the following pairs of years was the the strength of the school the same?

- A. 1999 and 2001
- B. 1998 and 2000

- C. 1997 and 1998
- D. 1996 and 2000

Question 15

In what year did the largest number of students join the school?

- A. 1996
- B. 1998
- C. 2001
- D. 2000

TYPE	1980	1981	1982	1983	1984	1985
I	60	80	75	85	90	94
II	28	40	40	60	65	71
III	39	45	53	70	75	78
IV	30	60	120	90	100	92
V	60	55	52	85	90	95

Question 16

The production of machines in 1985 is approximately how many times that of the production in 1983?

- A. 1.10
- B. 0.91
- C. 1.26
- D. 1.3

Question 17

In which of the following years did the type V machines register the highest production as compared to the total production for that year?

- A. 1980
- B. 1981
- C. 1983
- D. 1985

Question 18

For which type of machine was there a steady increase in production over the given years?

- A. I
- B. II
- C. III
- D. IV

Question 19

In which of the following years was there a maximum increase in the production of type III machines over the previous year?

- A. 1984
- B. 1985
- C. 1983
- D. 1982

Question 20

What was the % increase in the production of all types of machines together, from the year 1981 to the year 1984?

- A. 10%
- B. 20%
- C. 40%
- D. 50%

TEST FOUR
Quantitative Reasoning - (20 minutes)

There are 20 questions in this test and you should answer as many as you can.

The following tables give the sales of batteries manufactured by a company over the years.

Number of different types of batteries sold by a company over the years (number in thousand)

Year	Types of Batteries					
	4AH	7AH	32AH	35AH	55AH	Total
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

Question 1

What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992?

- A. 28%
- B. 31%
- C. 33%
- D. 34%

Question 2

Which battery had the highest sales over the seven years.

- A. 4AH
- B. 7AH
- C. 32AH
- D. 35AH

Question 3

What is the difference in the number of 35AH batteries sold in 1993 and 1997?

- A. 24000
- B. 28000
- C. 35000
- D. 39000

Question 4

In what year was the percentage of 4AH batteries sold to the total number of batteries sold highest?

- A. 1994
- B. 1995
- C. 1996
- D. 1997

Question 5

Which battery saw a continuous decrease in sales between 1992 and 1997?

- A. 4AH
- B. 7AH
- C. 32AH
- D. 35AH

RESULT	NO. OF STUDENTS			
	Section A	Section B	Section C	Section D
Students failed in both exams	28	23	17	27
Students failed in half-yearly but passed in annual exams	14	12	8	13
Student passed in half-yearly but failed in annual exams	6	17	9	15
Students passed in both exams	64	55	46	76

Question 6

If the number of students who passed an examination is considered as a measure of the difficulty level of the exam, which of the following statements would be true?

- A. Half yearly examinations were more difficult.
- B. Annual examinations were more difficult.
- C. The two examinations cannot be compared for difficulty level.
- D. Both the examinations had almost the same difficulty level

Question 7

How many students are there in Class IX of the school?

- A. 336
- B. 189
- C. 335
- D. 430

Question 8

Which section has the highest pass percentage overall?

- A. A Section
- B. B Section
- C. C Section
- D. D Section

Question 9

Which section has the maximum success rate in annual examination?

- A. A Section
- B. B Section
- C. C Section
- D. D Section

Year	Managers		Technicians		Operators		Accountants		Peons	
	New	Left	New	Left	New	Left	New	Left	New	Left
1995	760	-	1200	-	880	-	1160	-	820	-
1996	280	120	272	120	256	104	200	100	184	96
1997	179	92	240	128	240	120	224	104	152	88
1998	140	00	230	96	200	100	240	90	196	00
1999	160	72	256	100	192	112	272	88	224	120
2000	193	96	288	112	248	144	260	92	200	104

Question 10

What is the difference between the total number of technicians added to the Company and the total number of Accountants from 1996 to 2000?

- A. 128
- B. 112
- C. 96
- D. 88

Question 11

What was the total number of Peons working in the Company in the year 1999?

- A. 1312
- B. 1192
- C. 1088
- D. 968

Question 12

For which of the following categories was the percentage increase in the number of employees working in the Company from 1995 to 2000 highest?

- A. Managers
- B. Technicians
- C. Operators
- D. Accountants

Question 13

What is the pooled average of the total number of employees of all categories in the year 1997?

- A. 1325
- B. 1195
- C. 1265
- D. 1235

State	Percentage of Population below the Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		M:F	M:F
P	35	5:6	6:7
Q	25	3:5	4:5
R	24	1:2	2:3
S	19	3:2	4:3
T	15	5:3	3:2

Question 14

If the male population above poverty line for State R is 1.9 million, what is population of State R?

- A. 4.5 million
- B. 4.85 million
- C. 5.35 million
- D. 6.25 million

Question 15

What is the number of females above the poverty line in the State S if it is known that the population of State S is 7 million?

- A. 3 million
- B. 2.43 million
- C. 1.33 million
- D. 5.7 million

Question 16

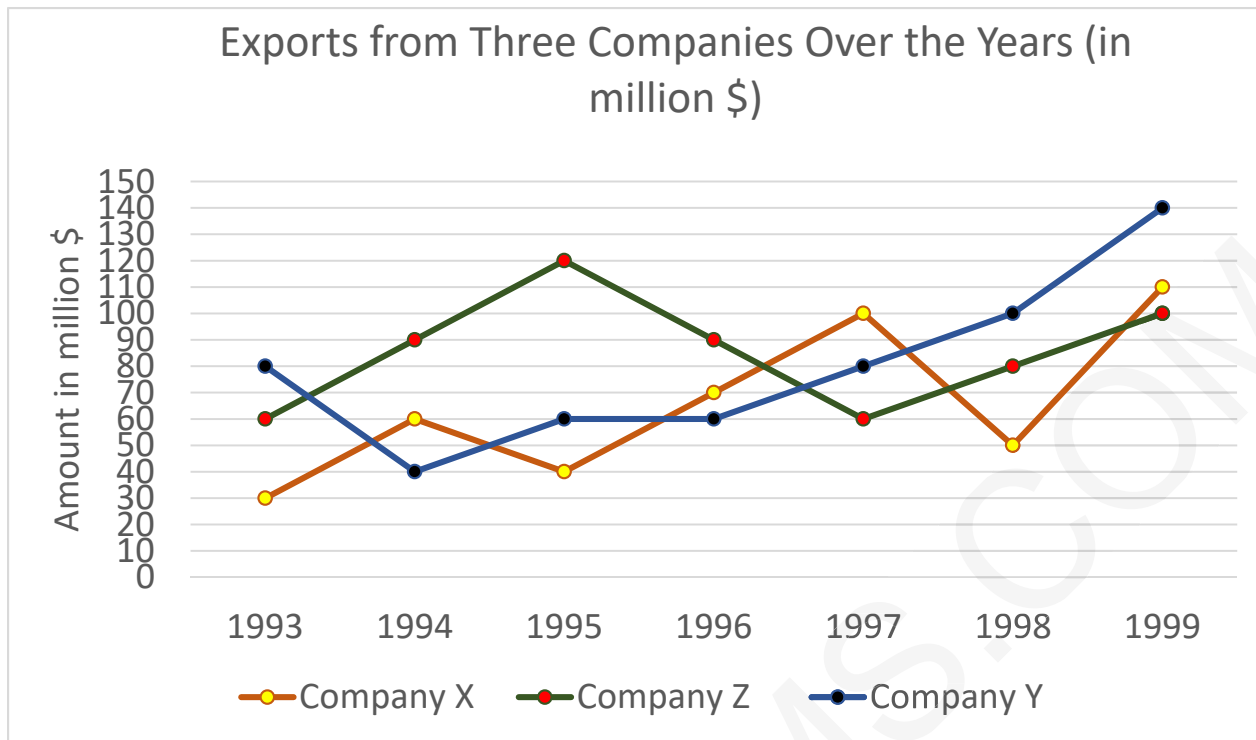
What is the male population above poverty line for State P if the female population below poverty line for State P is 2.1 million?

- A. 2.1 million
- B. 2.3 million
- C. 2.7 million
- D. 3.3 million

Question 17

If the population of males below poverty line for State Q is 2.4 million and that for State T is 6 million, what is the ratio of the population of State Q to that of State T?

- A. 1:3
- B. 2:5
- C. 3:7
- D. 4:9



Question 18

By how many percentage is the average annual export of Company Z higher than that of Company Y during the period under review?

- A. 19.3%
- B. 7.1%
- C. 2.5%
- D. 13.8%

Question 19

By how many percentage is the average annual export of Company Z higher than that of Company Y during the period under review?

- E. 19.3%
- F. 7.1%
- G. 2.5%
- H. 13.8%

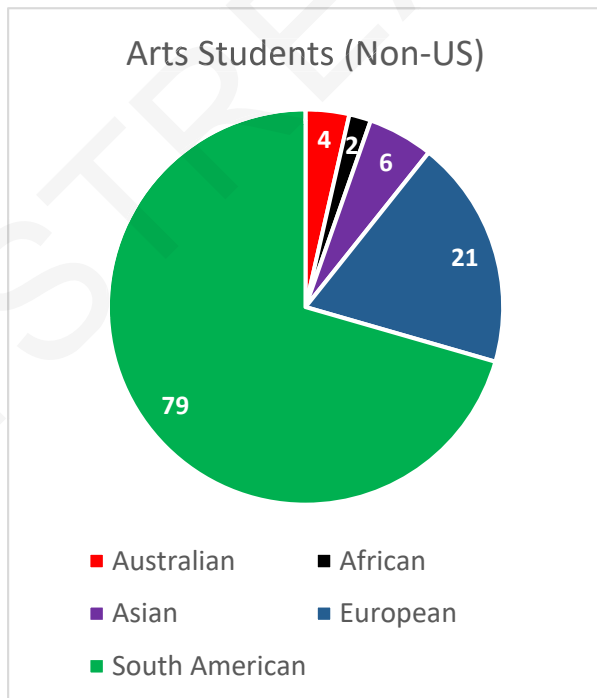
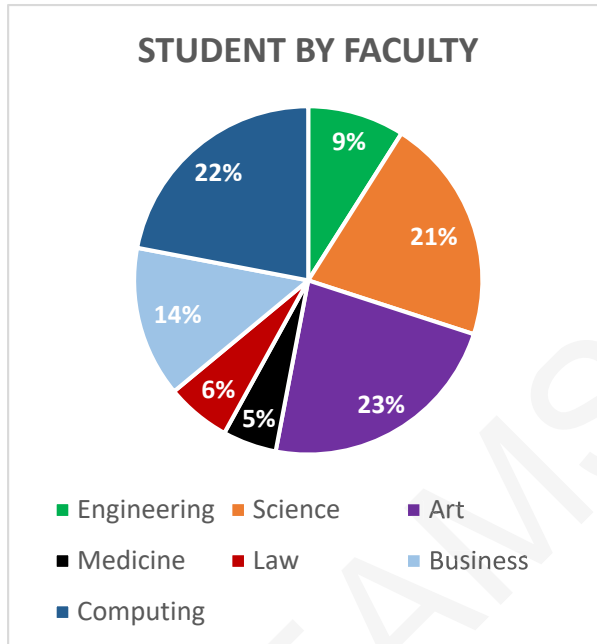
Question 20

What was the difference between the average exports of the three Companies in 1993 and their average exports in 1998?

- A. \$15.33 million
- B. \$18.67 million
- C. \$20 million
- D. \$22.17 million

TEST FIVE
Quantitative Reasoning - (20 minutes)

There are 20 questions in this test and you should answer as many as you can.



Question 1

What percentage of students in the Arts faculty are non-US students?

- A. 14%
- B. 9%
- C. 30%
- D. 11%
- E. 15%

Question 2

How many students are there in the Engineering faculty?

- A. 420
- B. 410
- C. 390
- D. 440
- E. 400

Question 3

How many students are there at the university?

- A. 4650
- B. 4560
- C. 4640
- D. 4450
- E. 4460

Question 4

If six percent of Science students are Asian. How many Asian students are there studying Science?

- A. 48
- B. 66
- C. 120
- D. 57
- E. 43

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Study the following table and answer the question

Classification of 100 Student based on the Marks Obtained by them in Physics and Chemistry in an Examination

Subject	Marks out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Average (Aggregate)	7	27	73	87	100

Question 6

How many students scored less than 40% in aggregate?

- A. 13
- B. 19
- C. 20
- D. 27

Question 7

What percentage of students got at least 60% score in Chemistry?

- A. 21%
- B. 27%
- C. 29%
- D. 31%

Question 8

If at least 60% score in Physics is required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

- A. 27
- B. 32
- C. 34
- D. 41

Question 9

What is the difference between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

- A. 3
- B. 4
- C. 5
- D. 6

The Number in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer
	(150)	(130)	(120)	(100)	(60)	(40)
Joan	90	50	90	60	70	00
Tom	100	80	80	40	80	70
Ada	90	60	70	70	90	70
Kate	80	65	80	80	60	60
Leke	80	65	85	95	50	90
David	70	75	65	85	40	60
Sani	65	35	50	77	80	80

Question 10

What is the overall percentage score of Sani?

- A. 52.5%
- B. 55%
- C. 60%
- D. 63%

Question 11

In which subject is the overall percentage score the best?

- A. Maths
- B. Chemistry
- C. Physics D. History

Question 12

What is the average mark obtained by all seven students in Physics?

- A. 77.26
- B. 89.14
- C. 91.37
- D. 96.11

Question 13

How many students obtained 60% and above mark in all subjects?

- A. 1
- B. 2
- C. 3
- D. none

Question 14

What is Ada's aggregate mark (score) in all six subjects?

- A. 409
- B. 419
- C. 429
- D. 449

The following tables shows the performance of LEO LTD. Refer to the tables and answer the question that follows.

Year	Sales	Profit	Equity
1991	100	25	500
1992	200	50	1000
1993	300	75	1500

Question 15

Sales in 1991 is what percentage of profits in 1993?

- A. 75%
- B. 133%
- C. 150%
- D. 100%

Question 16

Profits increased by what percentage in 1992 over its value in 1991?

- A. 100%
- B. 50%
- C. 120%
- D. 30%

Question 17

Average Equity for all the three years exceeds the average sales for all the three years by how much?

- A. 100%
- B. 200%
- C. 300%
- D. 400%

Question 18

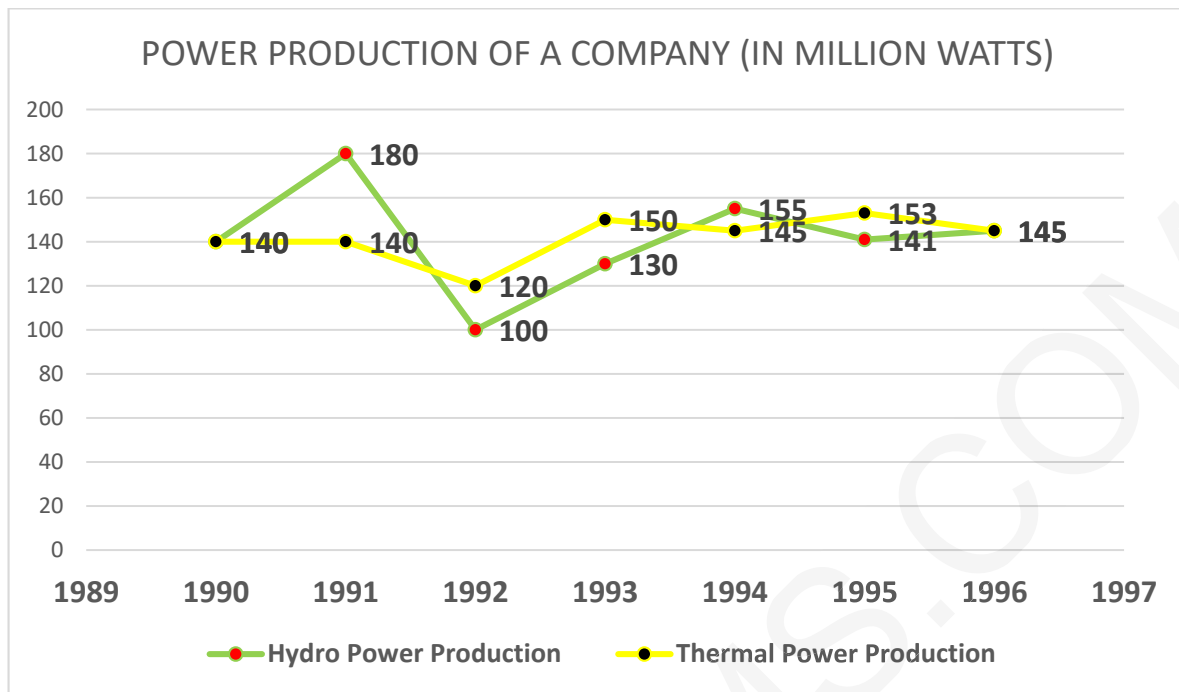
The rate of increase of sales has always been the same in any two consecutive years.

- A. TRUE
- B. FALSE
- C. Cannot say

Question 19

If imports are defined as (sales – profits), imports in 1992 is what percentage of imports in 1991?

- A. 200%
- B. 100%
- C. 50%
- D. 400%



Question 20

The difference between the peak hydro power production and the least hydro power production is:

- A. 55 MW
- B. 14 MW
- C. 40 MW
- D. 80 MW

SECTION 2

VERBAL REASONING

SAMPLE TEST ONE

Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

On evaporating all the water out of the all the oceans available on the planet earth and spreading the obtained salt on the entire land, you will find a thick coating of about five hundred foot.

- A. On evaporating all the water out of the all the oceans available on the planet earth and spreading the obtained salt
 - B. After evaporating all the water out of all the oceans on Earth and spreading the resulting salt
 - C. Evaporation of all the water in all the oceans on the earth and spreading the salt
- Evaporate all the water found in all the oceans on the planet earth and then spread the salt
- E. Perforate all the water found in all the oceans on the planet earth and then spread the salt

Question 2

It is said that, in the phase one of dreaming, also known as 'Lucid dreaming', one can control their dreams and manipulate their outcomes as well.

- A. It is said that, in the phase one of dreaming, also known as 'Lucid dreaming'
- B. In the phase one of dreams that is also known as the lucid dreaming
- C. The phase one of dreaming is called as 'Lucid dreaming'
- D. In case of Lucid dreaming which is the first phase of dreaming
- E. It is in the first phase of dreaming also known as the lucid dreaming

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Question 3

Though dreams have been a great topic of research and a subject of truth-seeking and spiritual interest since the historic times, we are unable to understand the exact purpose and content of dreams.

- A. we are still unable to find out the definite purpose and content of dreams
- B. both the content and purpose of dreams are still not understood definitively
- C. the purpose and content of dreams is still very much unclear
- D. we are still unable to find out the definite purpose and content of dreams
- E. the both the content and purpose of dreams are still very much misunderstood

Question 4

The cheapest way to supply energy to the human body is in the form of carbohydrates, since a good amount of it in our diet protects the proteins from breaking down and keeps them in an integrated form for carrying out the functions of maintenance and growth of the cells and tissues.

- A. The cheapest way to supply energy to the human body is in the form of carbohydrates
- B. Carbohydrates are a better way to supply energy to the human body
- C. Carbohydrates are the cheapest way to supply energy to the human body
- D. We must supply energy to the human body in the form of carbohydrates because they are cheap
- E. A cheapest way to supply energy to the human body is in the form of carbohydrates

Question 5

When the amount of dietary carbohydrates and sugars are very low, the liver converts the amino acids to form the carbohydrates, so that the energy supply to the body is maintained.

- A. so that the energy supply to the body is maintained
- B. in order to maintain the supply of energy in the body
- C. with the aim of maintaining constant energy supply to the body
- D. so that it can create energy supply for the body

E. in order to improve the energy supply for the body

Question 6

As the technology used for monitoring the activity of the volcano were found to be useless, the people were asked to evacuate the place gradually, but some of them refused to do so and had to lose their lives.

- A. As the technology used for monitoring the activity of the volcano were found to be useless, the people were asked to evacuate the place gradually
- B. As the technology used for monitoring the activity of the volcano were found to be troublesome, the people were asked to evacuate the place as soon as possible
- C. Although the technique that monitored the volcanic activities were found to be effective, the people were forced to go away from the place slowly
- D. Since the volcanic activities were monitored in a wrong way, the rescue team asked the people to leave place as soon as possible
- E. Though the techniques that monitored the volcanic eruption activities were found to be disturbing, the people were ordered to empty the place immediately

Question 7

It has been concluded by many researchers that all the fundamental connections between the brain cells are established within the first three months of the birth because the stimulation carried out immediately after birth creates always an unnoticed and ignored effect on the children.

- A. the stimulation carried out immediately after birth creates always an unnoticed and ignored effect on the children
- B. the stimulation carried out immediately after the birth always creates an intense and deep effect on the children
- C. it is easy to develop a lasting effect on the children immediately after they are born
- D. when the child is newly born it is easy to carry out intense and deep changes in its mind
- E. newly born babies can quickly establish the deep and profound connection between the cells of the brain

Question 8

The increase in the awareness of the important relationship between health and nutrition, people have started concentrating on more proper planning of diets as compared to the past.

- A. The increase in the awareness of the important relationship between health and nutrition
- B. As a result of the increasing ignorance of the important bonding between health and nourishment
- C. Because of the elevation in the publicity of one of the most important relation between food and health
- D. Because of the increase in the concerns over the importance of the relation between health and nutrition
- E. As a result of the controversial concerns over the important connection between diet and health

Question 9

The patient got a new hope and began to develop a positive attitude towards life when he saw that the doctor was successful in treating the reason for his illness.

- A. he saw that the doctor was successful in treating the reason for his illness
- B. he came to know that the doctor failed to find the reason for his disease
- C. he was made aware that the doctor was successful in diagnosing the reason for his illness
- D. he heard that the doctors are confused in finding out the exact cause for his bad health
- E. he saw that the none of the doctors is able to find the reason for his bad health

Question 10

In spite of the fact that the medicinal experimentation that is carried out on animals is considered as inhuman and controversial, there is no pause on this method considering the advantages to the humans that overshadow the harm done to animals.

- A. there is no pause on this method considering the advantages to the humans that overshadow the harm done to animals

- B. this method is still continued by taking in to account the benefits to the human race that mitigate the harm done to the animals
- C. this methodology is still going on with respect to the benefits that the humans receive, neglecting the harm done to the animals
- D. you cannot stop this method because it has great advantages for the humans though it is harmful for the animals
- E. there is no full stop to this method looking at the advantages to the humans, though it is very much harmful for the animals

Question 11

The fact that the female birds of majority of the species are dull in color concludes that, when they sit either on the branch of the trees or at any other place, they can easily cover themselves and save their lives from danger.

- A. they can easily cover themselves and save their lives from danger
- B. they can easily coincide themselves with the trees
- C. they can hide themselves from the animals and humans very easily
- D. the trees or any other thing can hide the female birds very easily from any danger
- E. they can camouflage very easily and save their lives from danger

Question 12

Not only the outstanding academic result of his brother inspired Steve to get admitted to one of the most popular universities in their country, but also he was very optimistic about the chances of getting admission to the Cambridge University.

- A. he was very optimistic about the chances of getting admission to the Cambridge University
- B. he studied very hard with the hopes of getting admission to the Cambridge University
- C. he was very sure about getting admission to the Cambridge University and hence did not study at all
- D. with the over confidence of getting admission to the Cambridge University, Steve did not study at all
- E. he was aiming to get admission to the University of Cambridge and so he studied very hard

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SAMPLE TEST TWO

Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

Some of the major reasons that force the young adults to stay with their guardians instead of living by themselves are the high cost of living and stagnating wages.

- A. Some of the major reasons that force the young adults to stay with their guardians instead of living by themselves are the high cost of living and stagnating wages
- B. The young adults are forced to stay with their parents instead of living on their own because of the increasing cost of living and stagnating wages
- C. Due to the high expenses of living and declining wages, majority of the young adults prefer to live with their parents instead of living alone
- D. It is the elevating expenses and declining wages that are forcing the young generation adults to live with their family
- E. The young adults chose to stay with their parents and family because of the very high daily expenses and very low income

Question 2

The struggle between living creatures on the planet is becoming more and more intense day by day, as a result of the decline in the number of trees and forests which are the natural habitat for them.

- A. The struggle between living creatures on the planet is becoming more and more intense day by day
- B. Living beings on the planet are struggling more intensely day by day for their survival
- C. It is necessary to struggle very hard in order to survive on this planet

- D. You cannot live if you do not strive very hard for your survival on the planet
- E. It is important for you to struggle very hard for your survival on the planet

Question 3

It is observed that the carbon dioxide gas is one of the major reasons for the greenhouse effect since it absorbs the harmful infrared rays at a very high rate resulting in the rise in the temperature of the earth.

- A. It absorbs the harmful infrared rays at a very high rate resulting in the rise in the temperature of the earth
- B. The harmful infrared rays are absorbed at a very high rate by it that increases the temperature of the earth
- C. It increases the earth's temperature by strongly absorbing the harmful infrared rays
- D. The temperature of the earth is increased by it by strongly absorbing the harmful infrared rays
- E. The infrared rays that are very harmful are absorbed by it and this increases the temperature of the earth

Question 4

Since the quantum energies that are found in glass have the ability to absorb rays, glass has the property to absorb the UV rays that have short wavelengths.

- A. Glass has the property to absorb the UV rays that have short wavelengths
- B. The UV rays of short wavelengths are completely absorbed by glass
- C. It is the property of glass to absorb the UV rays
- D. The UV rays of small wavelengths are reflected by glass
- E. Glasses can reflect the UV rays of small wavelengths

Question 5

Water vapor is said to have the biggest share in the contribution to the ordinary greenhouse effect that is caused naturally because, it is the only greenhouse gas that occurs in nature.

- A. Water vapor is said to have the biggest share in the contribution to the ordinary greenhouse effect that is caused naturally
- B. Water vapor is said to be one of the biggest contributors to the greenhouse effect caused naturally
- C. The natural greenhouse effect is usually caused by the water vapors
- D. The normal greenhouse effect is likely to be caused by the water vapor
- E. There is no other contributor to the common greenhouse effect except for the water vapor

Question 6

In order to escape the penalized licensing that was imposed by the Motion Pictures Patents Company, majority of the film financiers and filmmakers shifted their bases from the east coast.

- A. In order to escape the penalized licensing that was imposed by the Motion Pictures Patents Company
- B. With the aim of escaping the penalty on the licensing, imposed by the Motion Pictures Patents Company
- C. To escape from the penalty imposed on the licensing of the movies by the Motion Pictures Patents Company
- D. Since the Motion Pictures Patents Company imposed penalty on the licensing of the movies, so to escape from it
- E. For escaping the penalty imposed by the Motion Pictures Patents Company on the licensing of the movies

Question 7

Though the size of the aperture is fixed in some cameras, a diaphragm is often used to control the aperture's diameter.

- A. A diaphragm is often used to control the aperture's diameter
- B. The diaphragm is often used for controlling the diameter of the aperture
- C. The diameter of the aperture is often changed with the help of diaphragm
- D. The diameter of the cameras aperture is often changed with the help of diaphragm
- E. The photographers often use the diaphragm to change the diameter of the aperture

Question 8

The company announced that its profits declined much less in the second quarter than analysts had expected it to and its business will improve in the second half of the year.

- A. had expected it to and its business will improve
- B. had expected and that its business would improve
- C. expected it would and that it will improve its business
- D. expected them to and its business would improve
- E. expected and that it will have improved its business

Question 9

One view of the economy contends that a large drop in oil prices should eventually lead to lowering interest rates, as well as lowering fears about inflation, a rally in stocks and bonds, and a weakening of the dollar.

- A. lowering interest rates, as well as lowering fears about inflation,
- B. a lowering of interest rates and of fears about inflation,
- C. a lowering of interest rates, along with fears about inflation,
- D. interest rates being lowered, along with fears about inflation,
- E. interest rates and fears about inflation being lowered, with

Question 10

After the Civil War, contemporaries of Harriet Tubman's maintained that she has all of the qualities of a great leader: coolness in the face of danger, an excellent sense of strategy, and an ability to plan in minute detail.

- A. Tubman's maintained that she has
- B. Tubman's maintain that she had
- C. Tubman's have maintained that she had
- D. Tubman maintained that she had
- E. Tubman had maintained that she has

Question 11

From 1982 to 1987 sales of new small boats increased between five and ten percent annually.

- A. From 1982 to 1987 sales of new small boats increased between five and ten percent annually.
- B. Five to ten percent is the annual increase in sales of new small boats in the years 1982 to 1987.
- C. Sales of new small boats have increased annually five and ten percent in the years 1982 to 1987.

- D. Annually an increase of five to ten percent has occurred between 1982 and 1987 in the sales of new small boats.
- E. Occurring from 1982 to 1987 was an annual increase of five and ten percent in the sales of new small boats.

Question 12

A, the best choice, conveys the relevant information clearly and directly. Because the focus of interest is the ***sales of new small In recent years cattle breeders have increasingly used*** crossbreeding, in part that their steers should acquire certain characteristics and partly because crossbreeding is said to provide hybrid vigor.

- A. in part that their steers should acquire certain characteristics
- B. in part for the acquisition of certain characteristics in their steers
- C. partly because of their steers acquiring certain characteristics
- D. partly because certain characteristics should be acquired by their steers
- E. partly to acquire certain characteristics in their steers

SAMPLE TEST THREE

VERBAL REASONING-(10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

The peaks of a mountain range, acting like rocks in a streambed, produce ripples in the air flowing over them; the resulting flow pattern, with crests and troughs that remain stationary although the air that forms them is moving rapidly, are known as "standing waves."

- A. crests and troughs that remain stationary although the air that forms them is moving rapidly, are
- B. crests and troughs that remain stationary although they are formed by rapidly moving air, are
- C. crests and troughs that remain stationary although the air that forms them is moving rapidly, is
- D. stationary crests and troughs although the air that forms them is moving rapidly, are
- E. stationary crests and troughs although they are formed by rapidly moving air, is

Question 2

Like Auden, the language of James Merrill is chatty, arch, and conversational—given to complex syntactic flights as well as to prosaic free-verse strolls.

- A. Like Auden, the language of James Merrill
- B. Like Auden, James Merrill's language
- C. Like Auden's, James Merrill's language
- D. As with Auden, James Merrill's language
- E. As is Auden's the language of James Merrill

Question 3

In the textbook publishing business, the second quarter is historically weak, because revenues are low and marketing expenses are high as companies prepare for the coming school year.

- A. low and marketing expenses are high as companies prepare
- B. low and their marketing expenses are high as they prepare
- C. low with higher marketing expenses in preparation
- D. low, while marketing expenses are higher to prepare
- E. low, while their marketing expenses are higher in preparation

Question 4

Teratomas are unusual forms of cancer because they are composed of tissues such as tooth and bone not normally found in the organ in which the tumor appears.

- A. because they are composed of tissues such as tooth and bone
- B. because they are composed of tissues like tooth and bone that are
- C. because they are composed of tissues, like tooth and bone, tissues
- D. in that their composition, tissues such as tooth and bone, is
- E. in that they are composed of tissues such as tooth and bone, tissues

Question 5

The Senate approved immigration legislation that would grant permanent residency to millions of aliens currently residing here and if employers hired illegal aliens they would be penalized.

- A. if employers hired illegal aliens they would be penalized
- B. hiring illegal aliens would be a penalty for employers
- C. penalize employers who hire illegal aliens
- D. penalizing employers hiring illegal aliens
- E. employers to be penalized for hiring illegal aliens

Question 6

Scientists have recently discovered what could be the largest and oldest living organism on Earth, a giant fungus that is an interwoven filigree of mushrooms and rootlike tentacles spawned by a single fertilized spore some 10,000 years ago and extending for more than 30 acres in the soil of a Michigan forest.

- A. extending
- B. extends
- C. extended
- D. it extended
- E. is extending

Question 7

The Baldrick Manufacturing Company has for several years followed a policy aimed at decreasing operating costs and improving the efficiency of its distribution system.

- A. aimed at decreasing operating costs and improving
- B. aimed at the decreasing of operating costs and to improve
- C. aiming at the decreasing of operating costs and improving
- D. the aim of which is the decreasing of operating costs and improving
- E. with the aim to decrease operating costs and to improve

Question 8

Although the term "psychopath" is popularly applied to an especially brutal criminal, in psychology it is someone who is apparently incapable of feeling compassion or the pangs of conscience.

- A. it is someone who is
- B. it is a person
- C. they are people who are
- D. it refers to someone who is
- E. it is in reference to people

Question 9

Parliament did not accord full refugee benefits to twelve of the recent immigrants because it believed that to do it rewards them for entering the country illegally.

- A. to do it rewards
- B. doing it rewards
- C. to do this would reward
- D. doing so would reward
- E. to do it would reward

Question 10

Many policy experts say that shifting a portion of health-benefit costs back to the workers helps to control the employer's costs, but also helps to limit medical spending by making patients more careful consumers.

- A. helps to control the employer's costs, but also helps
- B. helps the control of the employer's costs, and also
- C. not only helps to control the employer's costs, but also helps
- D. helps to control not only the employer's costs, but
- E. not only helps to control the employer's costs, and also helps

Question 11

In the thirties and forties, devotees of Willa Cather's maintained that her writing has all the qualities found in the highest order of American writers of the nineteenth and twentieth century.

- A. Cather's maintained that her writing has
- B. Cather's maintained that her writing had
- C. Cather's have maintained that her writing had
- D. Cather maintained that her writing had
- E. Cather maintained that her writing has **Correct answer: D**

Question 12

Robinson is a botanist whose dream is to reestablish an authentic pre-human piece of Hawaii, a place now awash with introduced species of plants and animals.

- A. who has the dream to reestablish an authentic pre-human piece of Hawaii,
- B. whose dream it is to reestablish an authentic pre-human piece of Hawaii,
- C. who it is his dream to reestablish an authentic pre-human piece of Hawaii,
- D. that is dreaming to reestablish an authentic pre-human piece of Hawaii,
- E. whose dream is to reestablish an authentic pre-human piece of Hawaii,

SAMPLE TEST FOUR
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

As literary criticism grows more complex, students majoring in specialized areas like those of post-colonialism and Marxist discourse have been becoming increasingly successful at finding positions in the faculties of top universities.

- A. majoring in specialized areas like those of post-colonialism and Marxist discourse have been becoming increasingly
- B. who major in such specialized areas as post-colonialism and Marxist discourse are becoming more and more
- C. who majored in specialized areas such as those of post-colonialism and Marxist discourse are being increasingly
- D. who major in specialized areas like those of post-colonialism and Marxist discourse have been becoming more and more

E. having majored in such specialized areas as post-colonialism and Marxist discourse are being increasingly

Question 2

The woodland sub-species were in isolation from contact with humans longer than either their marsh cousins or the tree-dwelling sub-species.

- A. in isolation from contact with humans longer than
- B. isolated from contact with humans longer than
- C. in isolation from contact with humans longer than were
- D. isolated from contact with humans longer than were
- E. in isolation and without contacts with humans longer than

Question 3

Drinking milk enriched with vitamin D may significantly reduce the risk of rickets and also aid for sufferers of heart disease, according to studies recently completed at the University of California in San Francisco.

- A. significantly reduce the risk of rickets and also aid for
- B. be significant in reducing the risk of rickets and aid for
- C. significantly reduce the risk of rickets and aid
- D. cause a significant reduction in the risk of rickets and aid to
- E. significantly reduce the risk of rickets as well as aiding **Correct**

Question 4

Having logged thousands of hours watching primates from chimpanzees to macaques, chimps and other primates are no longer thought to be natural-born killers by Dr. Swenson, they are attuned to peacemaking.

chimps and other primates are no longer thought to be natural-born killers by Dr. Swenson, they

- A. Dr. Swenson has come to believe that far from being natural-born killers, chimps and other primates
- B. Dr. Swenson has now the belief that far from being natural-born killers, chimps and other primates
- C. chimps and other primates are no longer thought to be natural-born killers by Dr. Swenson, they
- D. chimps and other primates are no more thought to be natural-born killers by Dr. Swenson, they

Question 5

The strand fills with water during the rainy season that the peat then holds and keeps it humid, all of which creates conditions enabling trees to grow.

- A. Enabling trees to grow.
- B. For the trees to grow.
- C. For growing trees.
- D. That enable the trees to grow.
- E. That the trees can grow.

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Question 6

For almost five thousand years after its beginning 2.5 million years ago,
Homo habilis roamed the earth, lived in semi-permanent camps, gathered food and shared their economy.

- A. For almost five thousand years after its beginning 2.5 million years ago,
- B. Beginning 2.5 million years ago for a period of almost five thousand years,
- C. Beginning a period of almost five thousand years 2.5 million years ago,
- D. During five thousand years, a period beginning 2.5 million years ago,
- E. Over a period of five thousand years beginning 2.5 million years ago,

Question 7

Despite protests from some shareholders, committee members have ordered the levels of department head involvement to be curtailed and that the advertising program be undertaken.

- A. the levels of department head involvement to be curtailed and that the advertising program be
- B. the levels of department head involvement to be curtailed and that the advertising program being
- C. the measure of levels of department head involvement to be curtailed and the advertising program to be
- D. the levels of department head involvement to be curtailed with their advertising program being
- E. that the levels of department head involvement be curtailed and the advertising program be

Question 8

Advances in networking technology and home computers have made it easy for millions of Americans to work in their homes, often facilitating the communication between the manager, who continues to work on-site at the office, with his distant employees.

- A. communication between the manager, who continues to work on-site at the office, with his distant employees.

- B. communication between the manager, who continues the work on-site at the office, with his distant employees.
- C. communication between the manager, who continues to work on-site at the office, to his distant employees.
- D. communication between the manager, who continues to work on-site at the office, and his distant employees.
- E. communication between the manager, who continues to work on-site at the office, with his distance employees.

Question 9

There are any number of skilled freelancers who can develop strategy and create marketing materials with a keen eye to using proven methods, but also to developing new and innovative techniques.

- A. with a keen eye to using proven methods, but also to developing new and innovative techniques.
- B. with a keen eye for using proven methods, and also to developing new and innovative techniques
- C. with a keen eye not only to using proven methods, but also to developing new and innovative techniques.
- D. with a keen eye to using proven methods, but to developing now and innovative techniques
- E. with a keen eye not only to using proven methods, and also to developing now and innovative techniques.

Question 10

The expedition did not enter the water-filled clearing because it believed that to do it endangers the rare Spanish moss hanging from the trees.

- A. to do it endangers
- B. doing it endangers
- C. to do this would endanger
- D. doing so would endanger
- E. to do it would endanger

Question 11

While royal governor of New Jersey, William Franklin's conviction that the colonies should remain part of England was not unlike that of his father

Benjamin Franklin, who initially preferred a continued association with England, though he eventually played a role in forging America' s independence, helping craft the Declaration of Independence after a change of heart

- A. not unlike that of his father Benjamin Franklin, who initially preferred
- B. not unlike his father Benjamin Franklin, who initially preferred
- C. like his father Benjamin Franklin, and his initial preference
- D. like that of his father Benjamin Franklin, for preferring
- E. as that of his father Benjamin Franklin, who initially preferred

Question 12

After adopting broadband internet access, wireless personal digital assistants, and super-fast home PCs, Weston Insurance has hired new employees, which doubles to 250 the junior staff in the claims department working from home.

- A. which doubles to 250 the junior staff in the claims department
- B. doubling to 250 the number of junior staff members in the claims department
- C. which doubles to 250 the junior staff of the claims department
- D. doubling to 250 the number of junior staff members of the claims department
- E. which doubles to 250 the junior staff in the claims department that

SAMPLE TEST FIVE
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

The National Museum of American History owns Harley-Davidsons of various vintages on account of having evolved into an American touchstone.

- A. on account of having
- B. on account of their having
- C. because they have
- D. because of having
- E. because it has

Question 2

The U.S. Forest Service, then five years old, decided to put out every fire in its domain, and within three decades the agency formulated what it called the 10 A.M. policy, directing that fires be extinguished quicker than they had been in the past.

- A. within three decades the agency has formulated what it called the 10 A.M. policy, directing that fires be extinguished quicker than they had been in the past.
- B. within three decades the agency has formulated what it called the 10 A.M. policy, directing that fires be extinguished quicker than they had been in the past.
- C. within three decades the agency had formulated what it called the 10 A.M. policy, directing that fires be extinguished quicker than they had been in the past.
- D. within three decades the agency formulated what it called the 10 A.M. policy, directing that fires be extinguished more quickly than they had been in the past.

E. within three decades the agency has formulated what it called the 10 A.M. policy, directing that fires be extinguished more quickly than they had been in the past.

Question 3

Able to out-navigate other vehicles on rutted roads, it was decided that the police chief would allot motorcycles to some of her staff.

- A. it was decided that the motorcycle would by the police chief to allot motorcycles to some of her staff.
- B. the decision of the police chief was to allot to some of her staff motorcycles
- C. the police chief decided to allot to her staff motorcycles
- D. some of her staff was allotted motorcycles by the police chief E. motorcycles were allotted to some of the staff by the police chief.

Question 4

If a latter-day Robinson Crusoe was marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, relax in a palm recliner in his palm-post bungalow under a palm-thatch roof, buff his palm-plank surfboard with carnauba palm wax and watch a palm fringed sunset.

- A. If a latter-day Robinson Crusoe was marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, relax in a palm recliner in his palm-post bungalow under a palm-thatch roof,
- B. If a latter-day Robinson Crusoe was marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, relaxing in a palm recliner in his palm-post bungalow under a palm-thatch roof,
- C. If a latter-day Robinson Crusoe were marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, relax in a palm recliner in his palm-post bungalow under a palm-thatch roof,
- D. If a latter-day Robinson Crusoe were marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, relaxing in a palm recliner in his palm-post bungalow under a palm-thatch roof,
- E. If a latter-day Robinson Crusoe was marooned on an island with an eclectic mix of palms, he could eat dates and coconut meat, to relax in a palm recliner in his palm-post bungalow under a palm-thatch roof,

Question 5

What was as remarkable as the development of the after-school enrichment programs has been New York City' s nonprofit Chess-in-the-Schools initiative, giving more girls than ever before the opportunity to learn the rules of the game.

- A. What was as remarkable as the development of the after-school enrichment programs
- B. The thing that was as remarkable as developing the after-school enrichment programs
- C. No less remarkable than the development of the after-school enrichment programs
- D. Developing the after-school enrichment programs has been none the less remarkable than E. Development of the after-school enrichment programs has been no less remarkable as

Question 6

The increase in land area which the virus has colonized ***suggest that birds are the more usual host for the virus***, strengthening researchers' original contention that migratory birds have contributed to the virus' s spread across the nation.

- A. suggest that birds are the more usual host for the virus,
- B. suggest that birds are the more usual host to the virus,
- C. suggests that birds are the more usual host for the virus,
- D. suggests that birds are the more usually host for the virus,
- E. suggests that birds are the more usually host of the virus,

Question 7

Over his 65-year life span, Hughes, one of America's most enduring writers and a key figure in the Harlem Renaissance of the 1920's, will have published hundreds of poems, plus novels, short stories, autobiographies, librettos, essays and children's books.

- A. will have published hundreds of poems, plus novels, short stories, autobiographies, librettos, essays and children's books.
- B. is publishing hundreds of poems, plus novels, short stories, autobiographies, librettos, essays and children's books.

- C. would have published hundreds of poems, plus novels, short stories, autobiographies, librettos, essays and children's books.
will publish hundreds of poems, plus novels, short stories, autobiographies, librettos and children's book
- D. would publish hundreds of poems, plus novels, short stories, autobiographies, librettos, essays and children's books.

Question 8

The exhibition of ancient Egyptian funerary art ? imposing statues, intricately painted coffins, and numerous accoutrements, drew hundreds of people each day, equivalent to the number of visitors to last year's Impressionist show.

- A. equivalent to the number of visitors to last year's Impressionist show.
B. the equivalent of those that visited last year's Impressionist show.
C. equal to those who visited
D. as many as the visitation to
E. as many as visited

Question 9

Mahatma Gandhi's is credited as having championed a nonviolent approach to reform as a practical and moral means to struggle against social injustice.

- A. as having
B. with having
C. to have
D. as the one who
E. for being the one who

Question 10

Denying that one of its many irregularities had been the long-term mismanaging of company funds, the AD & M company produced clear evidence to back its claim.

- A. its many irregularities had been the long-term
B. its many irregularities has been the long-term
C. its many irregularities is the long-term
D. their many irregularities is the long-term
E. their many irregularities had been the long-term

Question 11

Lewis and Clark were not the first white men to cross the continent from the Atlantic to the Pacific north of Mexico, and they did not visit places not already seen and mapped by generations of native people.

- A. and did not visit places not already seen and mapped by generations of native people.
- B. and they did not visit places not already seen and mapped by generations of native people.
- C. and they had not visit places not already seen and mapped by generations of native people.
- D. nor had they visited places not already seen and mapped by generations of native people.
- E. nor did they visit places not already seen and mapped by generations of native people.

Correct answer: E

Explanation

The best answer is E. Being the second thing that Lewis and Clark did not do, the word **nor** is required. The first negative phrase is in the past simple, so the second one must be in past simple form as well.

Question 12

Electric boats have eliminated the noise pollution that conventional powerboats made and reduce the loathsome discharges of oil that foul American rivers and lakes, threatening fish and bird life.

- A. reduce the loathsome of oil that foul American rivers and lakes, threatening fish and bird life
- B. reduce the loathsome discharges of oil that foul American rivers and lakes, threaten fish and bird life.
- C. reduce the loathsome discharges of oil that foul American rivers and lakes, threaten fish and bird life.
- D. reduced the loathsome discharges of oil that fouled American rivers and lakes, to threaten fish and bird life.
- E. reduced the loathsome discharges of oil that fouled American rivers and lakes, threatening fish and bird life.

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SAMPLE TEST SIX
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

Being literal-minded about the afterlife, both royalty and commoners arranged to fill their tombs with household objects, each object a necessity for daily life, ready for use

- A. each object a necessity for daily life, ready for use.
- B. all the objects a necessity for daily life, ready for use.
- C. all the objects a necessity for daily life, they are ready for use
- D. every object a necessity for daily life, it is ready for use.
- E. each object a necessity for daily life, was ready for use.

Question 2

Being literal-minded about the afterlife, both royalty and commoners arranged to fill their tombs with household objects, each object a necessity for daily life, ready for use. Among the era's triumphs were the Civil Rights Act of 1964, barring segregation in public places; the 24th Amendment to the Constitution, ratified in 1964, prohibiting the poll tax; and the 1965 Voting Rights Act, which ordered the state should abolish literacy tests as a requirement for registering to vote. .

- A. should abolish literacy tests as a requirement for registering to vote.
- B. would abolish literacy tests as a requirement for registering to vote.
- C. to abolish literacy tests as a requirement for registering to vote.
- D. abolishing of literacy tests as a requirement for registering to vote.
- E. the abolishing of literacy tests as a requirement for registering to vote.

Question 3

Among the era's triumphs were the Civil Rights Act of 1964, barring segregation in public places; the 24th Amendment to the Constitution, ratified in 1964, prohibiting the poll tax; and the 1965 Voting Rights Act, which ordered the state should abolish literacy tests as a requirement for registering to vote. .

- A. should abolish literacy tests as a requirement for registering to vote.
- B. would abolish literacy tests as a requirement for registering to vote.
- C. to abolish literacy tests as a requirement for registering to vote.
- D. abolishing of literacy tests as a requirement for registering to vote.
- E. the abolishing of literacy tests as a requirement for registering to vote.

Question 4

The Sumerians, who founded the first cities, not only invented writing, created poetry and the rule of law, and were also extraordinary craftsmen.

- A. and were also extraordinary craftsmen.
- B. but were also extraordinary craftsmen.
- C. but also were extraordinary craftsmen.
- D. but also fashioned extraordinary crafts.
- E. and also fashioned extraordinary crafts.

Question 5

Researchers blamed the low rate of growth in the harbor's toad population on lake toxicity as well as on the weather, hotter and more humid than average in the Ohio region, which slowed metabolism and reproductive activity.

- A. hotter and more humid than average in the Ohio region, which slowed
- B. which was hotter and more humid than average in the Ohio region, slowing
- C. since it was hotter and more humid than average in the Ohio region, which slowed
- D. being hotter and more humid than averages in the Ohio region, which slowing

E. having been hotter and more humid than was average in the Ohio region, and slowed

Question 6

Twenty-five years ago in this month, Camp David became the setting for an unprecedented episode of American diplomacy and entered the lexicon as a near synonym for high-level peacemaking when Jimmy Carter, Israeli prime minister Menachem Begin and Egyptian president Anwar El-Sadat gathered there for a tense and grueling 13 days.

- A. Twenty-five years ago in this month,
- B. Twenty-five years ago this month,
- C. In this month, twenty-five years previously,
- D. In this month, twenty-five years previous,
- E. It was twenty-five years ago to this month,

Question 7

Starting in the west at St. Bees on the Irish Sea, the route meanders through heather and woods, over stiles, past lakes, among sheep, and across three of Britain's finest national parks, all the way to the village of Robin Hood's Bay on the North Sea.

- A. heather and woods dot the route that meanders over stiles, past lakes, among sheep,
- B. heather and woods dot the route which meanders over stiles, past lakes, among sheep,
- C. the route meanders through heather and woods, over stiles, past lakes, among sheep,
- D. the meandering route through heather and woods, over stiles, past lakes, among sheep,
- E. the route that meanders through heather and woods, over stiles, past lakes, among sheep,

Question 8

Although the term 'entrepreneur' is popularly applied to a high-profile, risk-taking businessman, it is anyone who organizes and manages a business.

- A. it is anyone who organizes and manages a business.
- B. it is any person that organizes and manages a business.
- C. they are people who organize and manage a business.
- D. it is in reference to any people who organize and manage a business.
- E. it refers to anyone who organizes and manages a business.

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Question 9

Scientists from the Cytolab team are conducting experiments to see whether proteins will prematurely turn into solids in silk-producing animals under laboratory conditions.

- A. to see whether proteins will prematurely turn into solids
- B. to see whether proteins should prematurely turn into solids
- C. to see if proteins will prematurely turn into solids
- D. that see if proteins would prematurely turn into solids
- E. that see whether proteins would prematurely turn into solids

Question 10

Although few would disagree that small classrooms of a maximum of 15 students are ideal environments in which to educate the young, financially strained counties point out that small classrooms cost twice as much as maintaining regular sized classrooms.

- A. small classrooms cost twice as much as maintaining regular sized classrooms.
- B. small classrooms cost twice as much to maintain as regular sized classrooms do.
- C. maintaining small classrooms cost twice as much as regular sized classrooms do.
- D. maintaining small classrooms cost twice as much as it does for regular sized classrooms.
- E. to maintain small classrooms cost twice as much as for regular sized classrooms.

Question 11

The expedition diarists wrote about such things as bison, thunderstorms, river currents, mountain ranges and prairie plants, when they might have been expected for their diaries to focus on tribal politics.

- A. they might have been expected for their diaries to focus on tribal politics.
- B. they might have been expected to focus on tribal politics.
- C. they might have been expected that it should focus on tribal politics.
- D. its focus might have been expected to be on tribal politics.

E. there might have been an expectation that it would focus on tribal politics.

Question 12 (id: 12137)

Conceived outside her mother's body by in vitro fertilization (IVF) developed by Patrick Steptoe and Robert Edwards, her widely publicized birth prompted a heated ethical debate.

- A. her widely publicized birth prompted a heated ethical debate.
- B. a heated ethical debate followed her widely publicized birth.
- C. her birth, which was widely publicized, prompted a heated ethical debate.
- D. she was born amid great publicity that prompted a heated ethical debate.
- E. a heated ethical debate has followed her widely publicized birth.

SAMPLE TEST SEVEN
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

In the 17th century, the average life span in England for a working class family was 12 years less than a member of the aristocracy.

- A. a member of the aristocracy.
- B. of a member of the aristocracy.
- C. that of a member of the aristocracy.
- D. a member to the aristocracy.
- E. those of members of the aristocracy.

Question 2

Using computer animation programs, animators are now able to produce triple the frames per hour that they could in the 1960's?

- A. triple the frames per hour that they could
- B. three times as many frames per hour as they did
- C. as much as triple the frames per hour they had
- D. three times as many frames as there were
- E. a tripling of the frames per hour that they did

Question 3

Although X-ray absorption spectroscopy has its limitations, it is so precise that scientists investigated atoms surrounding mercury found in muscle tissue were able to determine that the metal was most often bound to a carbon atom on one side and sulfur on the other.

- A. it is so precise that scientists investigated atoms surrounding mercury found in muscle tissue
- B. it is of such precision, scientists investigated atoms surrounding mercury found in muscle tissue
- C. so precise is it so scientists investigated atoms surrounding mercury found in muscle tissue
- D. such is its precision, that scientists investigated atoms found in muscle tissue surrounding mercury
- E. there is so much precision that scientists investigated atoms surrounding mercury found in muscle tissue

Question 4

The loggers' railway roadbed, with its narrow spurs jutting fingerlike into the swamp, had turned into a hazard for tourists visiting the area requiring that government officials agree to have the area razed.

- A. that government officials agree to have the area razed.
- B. that government officials agree for to have the area razed.
- C. the agreeing by government officials to have the area razed.
- D. government officials agreeing to have the area razed.
- E. government officials to agree to have the area razed.

Question 5

In a move that surprised many political analysts, Republicans were forced to yield to conservative Christians demanding that they should modify their party platform to reflect public concerns about social issues, including abortion.

- A. demanding that they should
- B. demanding it to
- C. and their demand to
- D. who demanded that it
- E. who demanded it to

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Question 6

Indus civilization was either in decline when it was destroyed by Aryan invaders from the northwest speaking an Indo-European language from which most of the languages of Pakistan, Northern India, and Bangladesh descend or that it was militarily vulnerable

- A. that it was militarily vulnerable.
- B. had militarily vulnerability.
- C. was militarily vulnerable.
- D. militarily vulnerable.
- E. was it militarily vulnerable.

Question 7

In early 1998, Michael Govan, the director of the Dia Art Foundation, has flown about 60 miles north of New York City looking for a new permanent home for his museum when he spotted a faded factory sign along the banks of the Hudson River.

- A. has flown about 60 miles north of New York City looking for a new permanent home for his museum when he spotted
- B. was flying about 60 miles north of New York City looking for a new permanent home for his museum when he has spotted
- C. has flown about 60 miles north of New York City looking for a new permanent home for his museum when he has spotted
- D. was flying about 60 miles north of New York City looking for a new permanent home for his museum when he spotted
- E. was flying about 60 miles north from New York City looking for a new permanent home for his museum when he spotted

Question 8

The species with the greatest sustained commercial catch in the Chesapeake is the blue crab, long a symbol of the bay and a source of livelihood for many inhabitants of the region as well as for regular visitors.

- A. as well as for regular visitors.
- B. as well as the regular visitors.
- C. and regular visitors too.
- D. and regular visitors as well.
- E. and also regular visitors

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Question 9

The Music Foundation Fund is debating on a proposal requiring certain orchestras provide musicians with unpaid leave so as to care for sick family members.

- A. provide musicians with unpaid leave so as to
- B. to provide musicians with unpaid leave so as to
- C. provide musicians with unpaid leave so as to
- D. to provide musicians with unpaid leave so that they can
- E. provide musicians unpaid leave and

Question 10

This past New Year' s, along Route 88 in the Sierra Nevada, Joel Allen ordered his winter maintenance crew should work through the night and into New Year' s Day, clearing the pavement at Carson Pass, the highway' s summit.

- A. should work through the night and into New Year' s Day, clearing the pavement at Carson Pass, the highway' s summit.
- B. would do the work through the night and into New Year' s Day, clearing the pavement at Carson Pass, the highway' s summit.
- C. working through the night and into New Year' s Day, clearing the pavement at Carson Pass, the highway' s summit.
- D. the work through the night and into New Year' s Day of clearing the pavement at Carson Pass, the highway' s summit.
- E. to work through the night and into New Year' s Day, clearing the pavement at Carson Pass, the highway' s summit.

Question 11

Extending about 150 miles from Sedan in the west to beyond Wissembourg in the east, the Maginot Line bristled with some 50 large fortifications, each within cannon range of another.

- A. all the cannons within range of another.
- B. every within cannon range of another.
- D. each within cannon range of another.
- E. all of them within cannon range of the others.

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Question 12

Some ancient societies mistook tides, which are a natural phenomenon involving the alternating rise and fall in the large fluid bodies of the earth caused by the combined gravitational attraction of the sun and moon, as a magical phenomenon controlled by invisible water nymphs.

- A. as a magical phenomenon controlled by invisible water nymphs.
- B. for a magical phenomenon controlled by invisible water nymphs.
- C. to a magical phenomenon controlled by invisible water nymphs.
- D. with a magical phenomena controlled by invisible water nymphs.
- E. or a magical phenomena controlled by invisible water nymphs.

SAMPLE TEST EIGHT
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

Outlined in the new Small Business Guide, these plans require business owners to make assumptions about the tax and regulatory environment or that they pay the maximum taxes up front and request reimbursement at the end of the year.

- B. for paying the maximum taxes up front and request reimbursement at the end of the year.
- C. . they should pay the maximum taxes up front and request reimbursement at the end of the year.
- D. that they should pay the maximum taxes up front and request reimbursement at the end of the year.
- E. to pay the maximum taxes up front and request reimbursement at the end of the year.

Question 2

From the start, the fluoroscope invoked the authority of modern science and technology to sell more shoes, and functioned so fast, and in some cases even faster than the old-fashioned manual fitting.

- A. so fast, and in some cases even faster than the old-fashioned manual fitting.
- B. so fast, and in some cases even faster than, how the old-fashioned manual fitting did.
- C. as fast, and in some cases even faster than the old-fashioned manual fitting.
- D. as fast as, and in some cases even faster than, the old-fashioned manual fitting.

E. so fast as, and in some cases even faster than the old-fashioned manual fitting.

Question 3

As he follows Keneely' s Weather Channel team through Bonnie' s path, writer David Laskin discovers that the Weather Channel' s appeal lies in a particular mix of working professionally, live field reporting, and behind-the-scenes technical wizardry.

- A. working professionally, live field reporting, and behind-the-scenes technical wizardry.
- B. working professionally, dramatically live field reports, and behind-the-scenes technical wizardry.
- C. professionalism, dramatically live field reports, and a wizard technically working from behind-the-scenes.
- D. professionalism, reporting live from the field, and behind-the-scenes technical wizardry.
- E. professionalism, live field reporting, and technical wizardry from behind-the- scenes.

Question 4

After having wintered in what is now known as James Bay, the southern pocket of the huge bay that would be named for Henry Hudson, some of his crew mandated for Hudson to leave the ship.

- A. some of his crew mandated for Hudson to leave the ship.
- B. some of his crew mandated that Hudson be forced to leave the ship.
- C. some of his crew mandated for forcing Hudson to leave the ship.
- D. some of his crew had a mandate that Hudson be forced to leave the ship
- E. some of his crew mandated to Hudson be forced to leave the ship.

Question 5

During their years on the frontier, they had numerous pitched battles against Lipans, Kickapoos, Kiowas, Comanches ? and their most determined foe, the Apaches, including ferocious encounters with the great war chief Victorio, possibly the most skillful enemy in frontier history.

- A. the Apaches, including ferocious encounters with the great war chief Victorio, possibly the most skillful enemy in frontier history.

- B. the Apaches, including ferocious encounters with the great war chief Victorio, the possibly most skillful enemy in frontier history.
- C. the Apaches, including ferocious encounters with the great war chief Victorio, the most skillful enemy, possibly, in frontier history.
- D. the Apaches, including ferocious encounters with the great war chief Victorio, possibly a most skillful enemy in frontier history.
- E. the Apaches, including ferocious encounters with the great war chief Victorio, possibly the more skillful enemy in frontier history.

Question 6

The first consideration for most patients undergoing being operated on is if to sign a waiver form.

- A. being operated on is if to sign
- B. being operated on is whether they should be signing
- C. being operated on is whether or not they sign
- D. an operation is if to sign
- E. an operation is whether to sign

Question 7

In addition to having more engineers than Brunswick Inc. does, the qualifications of the engineers are better than those of Newton Group.

- A. . the qualifications of the engineers are better than those of
- B. the engineers have qualifications better than those of
- C. the qualifications of the engineers are better than they are of
- D. the quality engineers are better than those of
- E. the engineers have qualifications better than

Question 8

Each of the fallen soldiers? Henry Johnson, Paul Rider, Brent Hall and Bob McCay - were hard workers, very different from the soldiers that remained to guard the hospital.

- A. Each of the fallen soldiers? Henry Johnson, Paul Rider, Brent Hall and Bob McCay - were hard workers
- B. Henry Johnson, Paul Rider, Brent Hall and Bob McCay - each of them fallen soldiers - were hard workers

- C. The fallen soldiers? Henry Johnson, Paul Rider, Brent Hall and Bob McCay - were all hard workers
- D. Hard workers - Henry Johnson, Paul Rider, Brent Hall and Bob McCay - each a fallen soldier
- E. Hard workers - Henry Johnson, Paul Rider, Brent Hall and Bob McCay - everyone a fallen soldier

Question 9

Bases on accounts of various researchers, Colstrom scientists have known for decades that for every kind of particle—whether the familiar electrons, neutrons or protons, or the more recently discovered quarks and neutrinos—there exists a particle that is its mirror image, identical in mass and amount of charge, but different in at least one crucial way.

- A. Bases on accounts of various researchers
- B. Basing it on various researchers' accounts
- C. With accounts of various researchers used for a basis
- D. By the accounts of various researchers they used
- E. Using accounts of various researchers

Question 10

Its collection includes such treasures as a woven funerary headdress, one that they believe is a type unique to ancient Thebes.

- A. that they believe is
- B. that they believe it to be
- C. they believe it is of
- D. they believe that is
- E. they believe to be

Question 11

Studies conducted in the 1990s indicate that even after fifty years, patients are still suffering the long term effects of polio occurring when a child.

- A. contracted when a child
- B. contracted when children
- C. that was contracted when a child
- D. contracted when they were children
- E. that has been contracted as each was a child

Question 12

The granddaddy of manufacturers, the Shutter Company, headquartered in Milton, is nearly 50 years as old as any of their supposed predecessors.

- A. as old as any of their supposed

- B. older than any of their supposed
- C. as old as their supposed
- D. older than any of their supposedly
- E. as old as their supposedly

SAMPLE TEST NINE
Verbal Reasoning - (10 minutes)

There are 12 questions in this test and you should answer as many as you can.

In the questions below, all or part of which is underlined. Beneath the sentence you will find five options to phrase the underlined part. Choose an answer that will best fit the meaning of the sentence as a whole.

Question 1

Unlike H. G. Wells, who wrote more than 100 books, and countless essays and articles, the novel written by Henry Williams in 1923 would prove to be his only one.

- B. Unlike H. G. Wells' oeuvre, with more than 100 books, and countless essays and articles, the novel written by Henry Williams in 1923
- C. Unlike those of H. G. Wells, who wrote more than 100, and countless essays and articles, the novel written by Henry Williams in 1923
- D. In comparison with H. G. Wells, who wrote more than 100 books, and countless essays and articles, the novel written by Henry Williams in 1923
- E. H. G. Wells wrote over 100 books and countless essays and articles, but Henry Williams wrote a novel in 1923 which

Correct answer: E

Explanation

The best answer is E. In comparative structures, the things being compared must be both logically and grammatically parallel. Choice E solves the problem by using two independent clauses linked by **but**

Question 2

Recent commercial offshoots of Manson' s imagination are toys, one which is a colorful foam tube with variously shaped pieces that children can bend and fit together to make otherworldly creatures.

- A. one which
- B. one of them which
- C. and one of them which
- D. one of them
- E. one of which

Question 3

When Crawford has begun farming with his wife, Rosemary, in the early 1970s, it was a time when sturdy wooden fruit boxes were being phased out among local farmers in favor of lighter weight baskets for picking, and dressy cardboard boxes for shipping.

- A. When Crawford has begun farming with his wife, Rosemary, in the early 1970s
- B. When Crawford had begun farming with his wife, Rosemary, in the early 1970s
- C. When Crawford has begun farming with his wife, Rosemary, early in the 1970s
- D. When Crawford began farming with his wife, Rosemary, in the early 1970s
- E. When Crawford began farming with his wife, Rosemary, early in the 1970s

Question 4

The district manager claimed that providing on-site child care helps to reduce sick leave, but also enhances job satisfaction.

- A. helps to reduce sick leave, but also
- B. helps the reduction of sick leave, and also
- C. not only helps to reduce sick leave, but also
- D. helps to reduce not only sick leave, but
- E. not only helps to reduce sick leave, and also

Question 5

The World Forestry Association has predicted that the rate of addition to wooded lands will drop while those of loss rise.

- A. those of loss rise
- B. it rises for loss
- C. those of losses rise
- D. the rate of loss rises
- E. there are rises for the rate of loss

Question 6

Of Mark Twain's many fans, none could feel more pleased or more vindicated by the renewed interest than the steadfast editors of the Mark Twain Project at the University of California at Berkeley, who have been at work for 36 years on a scholarly undertaking of almost inconceivable proportions: to hunt down, organize and interpret every scrap of writing that issued from Sam Clemens during his 74 years on earth.

- A. to hunt down, to organize and every scrap of writing that issued from Sam Clemens during his 74 years on earth was interpreted
- B. to hunt down, to organize and every scrap of writing that issued from Sam Clemens during his 74 years on earth was interpreted.
- C. to hunt down, organize and interpret every scrap of writing that issued from Sam Clemens during his 74 years on earth.
- D. to hunt down, organize and interpret every scrap of writing that issued from Sam Clemens while on earth 74 years.
- E. to hunt down, organize and every scrap of writing that issued from Sam Clemens while on earth for 74 years.

Question 7

By enabling him to demonstrate the correctness of his fitting, it permitted him to significantly reduce the number of complaints and also aid for customers in finding the configuration that best suited them.

- A. significantly reduce the number of complaints and also aid for
- B. be significantly reduce the number of complaints and aid for
- C. significantly reduce the number of complaints and aid
- D. cause a significant reduction in the number of complaints and also aid to
- E. significantly reduce the number of complaints as well as aiding

Question 8

In his article, Hoffman profiles the rivalry between 22-year-old Yvonne Meadows, chess's new fresh face with Brian Hanson, winner of numerous championships.

- A. rival 22-year-old Yvonne Meadows, chess's new fresh face against her competitor Brian

Hanson

B. rival 22-years old yvonne Meadows, chess's new fresh face against her competitor Brian

Hanson

C. developing rivalry between 22-year-old Yvonne Meadows, chess's new fresh face with Brian

Hanson

D. developing rivalry between 22-year-old Yvonne Meadows, chess's new fresh face with Brian

Hanson

E. 22-year-old Yvonne Meadows, chess's new fresh face and the rivalry with Brian Hanson

Question 9

Moody, who manages the National Numismatics Collection at the National Museum of American History, started buying unpainted miniature soldiers and to do it soon got swept into the field of military history, researching not only the battles themselves but the uniforms worn at the time.

- A. and to do it soon got swept
- B. and doing it soon got swept
- C. and to do this soon got him swept
- D. and doing so soon got swept
- E. and to do it would soon got swept

Question 10

Like Johnson, the mutant instruments of Samuel Meadow are? thumbing their noses? at eons of musical tradition, making music that can be merely weird, but is more often whimsical, even mystifying.

- A. Like Johnson, the mutant instruments of Samuel Meadow
- B. Like Johnson, Samuel Meadow's mutant instruments
- C. Like Johnson's, Samuel Meadow's mutant instruments
- D. As with Johnson, Samuel Meadow's mutant instruments
- E. As is Johnson's the mutant instruments of Samuel Meadow

Question 11

A dedication by Colin Powell, given in the same year as his appointment as chairman of the Joint Chiefs of Staff, commemorated the buffalo soldiers at Fort Leavenworth, Kansas, the birthplace of one of the regiments.

- A. A dedication by Colin Powell, given in the same year as his appointment as chairman of the Joint Chiefs of Staff
- B. A dedication by Colin Powell, given in the same year as his appointment to chairman of the Joint Chiefs of Staff
- C. A dedication by Colin Powell, given in the same year that he was appointed chairman of the Joint Chiefs of Staff
- D. Colin Powell gave a dedication in the same year as his appointment as chairman of the Joint Chiefs of Staff that
- E. Colin Powell gave a dedication in the same year of appointment as chairman of the Joint Chiefs of Staff that

Question 12

For three decades, Waterman carried a Leica or Nikon camera and committed thousands of musicians to film, catching the magical and the mundane in order to keep from being forgotten.

- A. keep from being forgotten.
- B. keep them from being forgotten.
- C. avoid being forgotten.
- D. avoid them from being forgotten.
- E. avoid from their forgetting.

Correct answer: B

Explanation

The best answer is B. Choice B is the best because it use the pronoun **them** which refers to the musicians. It also uses the more precise **keep** rather than **avoid**

END OF STUDY PACK.

Now you are set to take the test

Work Force Ability Test 1

Instructions

This Ability test comprises **50 questions**, and you will have **50 minutes** in which to correctly answer as many as you can. Calculators are not permitted for this test, and it is recommended you have some rough paper to work on.

The test comprises of three sections:

1. Verbal Section (20 Questions)
2. Abstract Section (10 Questions)
3. Numerical Section (20 Questions)

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

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WHEN YOU ARE READY, BEGIN THE TEST.

In an effort to preserve fishing stocks, the European Union uses a quota system to regulate the amount of fish that can be taken out of the North Sea. This involves defining the tonnage of the various types of North Sea fish that each EU member country can take. As soon as the catch is landed - but not before – fishermen can be fined for landing more fish at their port than their quota permits. Each year fishermen dump thousands of tonnes of fish back into the sea either because they have reached their quota and don't want to be fined or because the fish are too small to be caught legally. Some environmental groups feel that existing approaches are not working since these fish are already dead and throwing them back serves no real purpose. They believe that other steps need to be taken to conserve North Sea fishing stocks and avoid depletion.

Question 1

Fish stocks in the North Sea are nearly exhausted.

True

False

Cannot say

Question 2

Some environmental groups think new fish conservation methods are required.

True

False

Cannot say

Question 3

Fishermen can be fined for catching too many fish.

True

False

Cannot say

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Nobody knows what life forms may exist outside our own planet. The search for extra-terrestrial life in the universe took a step nearer to fruition with the discovery in June of what are believed to be traces of water on the surface of Mars. Life on our planet requires water and its presence on Mars may point towards the existence of past life on the planet. The Phoenix Mars Lander robot TH landed on the plains of Mars on May 25 2008, searching for signs that the Martian environment might once have been habitable to life. When it dug a ditch in the planet's surface, photos revealed small patches of bright material. Four days later those patches had disappeared, causing scientists to speculate that they were water ice that had previously been buried and which vaporized when exposed to the air. Scientists insisted that if the patches had been salt, they wouldn't have disappeared and if they had been solid carbon dioxide, then they wouldn't have vaporized.

Question 4

The Phoenix Mars Lander has provided proof that life once existed on Mars.

True

False

Cannot say

Question 5

Life forms on Mars require water in order to survive.

True

False

Cannot say

Question 6

Since the Phoenix Mars Lander cannot excavate it is limited to surface photography.

True

False

Cannot say

The 2008 A level results show that 97.2% of students passed compared with 96.6% in 2007. And 25.9% gained A grades, a rise of 0.6% from the 2007 results. The number of students sitting A levels in 2008 was also up, at a record high of 827,737. This high success-rate is causing concerns in some quarters that the exams are getting easier. However the government attributes the annual change to the increased spending on schools over the period. Meanwhile the general secretary of the Association of Teachers and Lecturers, Dr Mary Bousted, has berated teaching methods in schools as spoon-feeding students to pass exams without developing the desire to continue learning or gaining the skills necessary to learn independently. Adding to the debate, the general secretary of the University and College Union, Sally Hunt, suggested it is unfair to downplay the students' results and the hard work of their teachers.

Question 7

A level results are improving year-on-year.

True

False

Cannot say

Question 8

A level exams are getting easier.

True

False

Cannot say

Question 9

More money was spent on schools in 2008 than in 2007.

True

False

Cannot say

On 1st July 2007 the smoke-free law was introduced in England with the aim of protecting employees in their places of work, and the general public in enclosed public places, from the effects of secondhand smoking. These law changes mean that all public transport and work vehicles used by more than one person must be smoke-free, no-smoking signs must be displayed in all smoke-free premises and vehicles, and staff smoking rooms are no longer allowed; staff who want to smoke must go outside. Local councils in England have the responsibility of enforcing the law but it is the legal responsibility of the managers of smoke-free premises and vehicles to make sure people don't smoke. Individuals can be fined or prosecuted for breaking the law and employers can be fined if they do not display the no-smoking signs or if they allow smoking to continue on their premises.

Question 10

Second hand smoking can cause lung cancer and other respiratory diseases.

True

False

Cannot say

Question 11

The smoke-free law had the public's welfare in mind.

True

False

Cannot say

Question 12

It is no longer legal for smoking rooms to be provided for employees inside buildings.

True

False

Cannot say

The merits of single-sex education have long been debated in the United States, where demand for single-sex schools is on the rise. Title IV, a 1972 law prohibiting sex discrimination in education, was amended in 2006, allowing for the establishment of single-sex state schools so long as a coeducational alternative is available. While critics view single-sex schools as discriminatory and inadequate preparation for adult life, advocates claim that children, and particularly girls, benefit from a single-sex education. Some American research shows that girls attending single-sex schools have higher self-esteem, participate more in class, and score higher on aptitude tests than their counterparts in co-educational schools. A 2005 study claimed that both girls and boys attending single-sex schools spent more time on homework and had less disciplinary problems. Single-sex schools subvert stereotypical course-taking patterns and results. Advocates of single-sex schooling argue that educators can teach more effectively by tailoring their tuition to reflect current research about gender-based brain development. Many experts, however, believe that research into single-sex education is inconclusive, and that so long as the education provided is gender-fair, both girls and boys can thrive in a co-educational environment.

Question 13

Girls who attend single-sex schools perform better in maths and sciences than their counterparts in co-educational schools.

True

False

Cannot say

Question 14

The trend towards American single-sex state education is a relatively recent phenomenon.

True

False

Cannot say

Question 15

Proponents of single-sex education believe there are neurological differences between the two genders.

True

False

Cannot say

Question 16

in Los Angeles, a political candidate who buys saturation radio advertising will get maximum name recognition.

The statement above logically conveys which of the following?

- A. Radio advertising is the most important factor in political campaigns in Los Angeles.
- B. Maximum name recognition in Los Angeles will help a candidate to win a higher percentage of votes cast in the city.
- C. Saturation radio advertising reaches every demographically distinct sector of the voting population of Los Angeles.
- D. For maximum name recognition a candidate need not spend on media channels other than radio advertising.
- E. A candidate's record of achievement in the Los Angeles area will do little to affect his or her name recognition there.

Question 17

The rate of violent crime in this state is up 30 percent from last year. The fault lies entirely in our court system: Recently our judges' sentences have been so lenient that criminals can now do almost anything without fear of a long prison term.

The argument above would be weakened if it were true that

- A. 85 percent of the other states in the nation have lower crime rates than does this state.
- B. White collar crime in this state has also increased by over 25 percent in the last year.
- C. 35 percent of the police in this state have been laid off in the last year due to budget cuts.
- D. Polls show that 65 percent of the population in this state opposes capital punishment.
- E. The state has hired 25 new judges in the last year to compensate for deaths and retirements.

Question 18

The increase in the number of newspaper articles exposed as fabrications serves to bolster the contention that publishers are more interested in boosting circulation than in printing the truth. Even minor publications have staffs to check such obvious fraud.

The argument above assumes that

- A. Newspaper stories exposed as fabrications are a recent phenomenon.
- B. Everything a newspaper prints must be factually verifiable.
- C. Fact checking is more comprehensive for minor publications than for major ones.
- D. Only recently have newspapers admitted to publishing intentionally fraudulent stories.
- E. The publishers of newspapers are the people who decide what to print in their newspapers.

Question 19

Time and again it has been shown that students who attend colleges with low faculty/student ratios get the most well-rounded education. As a result, when my children are ready to attend college, I'll be sure they attend a school with a very small student population.

Which of the following, if true, identifies the greatest flaw in the reasoning above?

- A. A low faculty/student ratio is the effect of a well-rounded education, not its source.
- B. Intelligence should be considered the result of childhood environment, not advanced education.
- C. A very small student population does not by itself, ensure a low faculty/student ratio.
- D. Parental desires and preferences rarely determine a child's choice of a college or university.
- E. Students must take advantage of the low faculty/student ratio by intentionally choosing small classes.

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Question 20

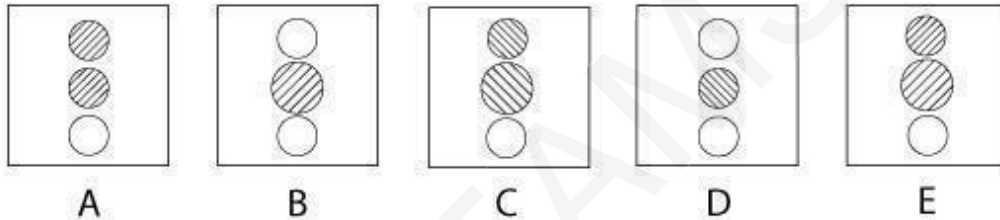
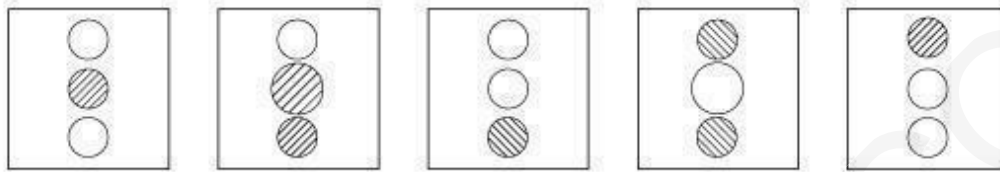
All German philosophers, except for Marx, are idealists.

From which of the following can the statement above be most properly inferred?

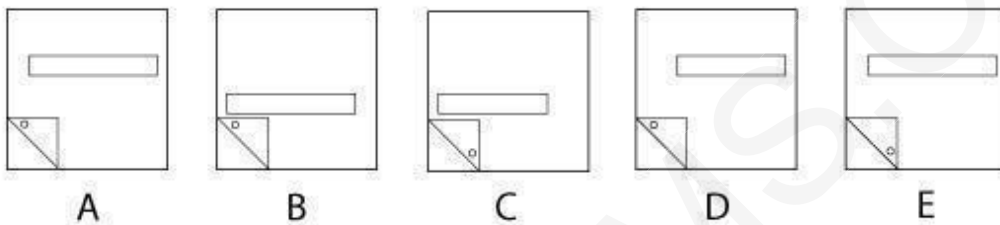
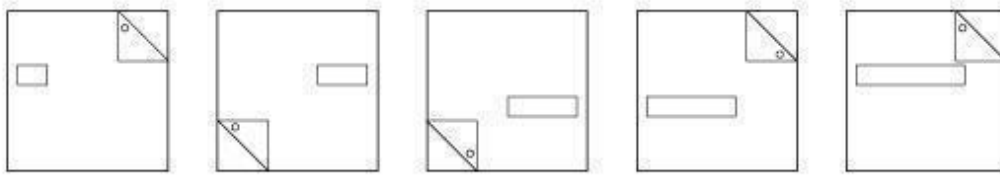
- A. Except for Marx, if someone is an idealist philosopher, then he or she is German.
- B. Marx is the only non-German philosopher who is an idealist.
- C. If a German is an idealist, then he or she is a philosopher, as long as he or she is not Marx.
- D. Marx is not an idealist German philosopher.
- E. Aside from the philosopher Marx, if someone is a German philosopher, then he or she is an idealist.

In each question you will be presented with a logical sequence of five figures. You will need to determine which of the possible answers best matches the next figure in the sequence, or replaces the missing figure in the sequence.

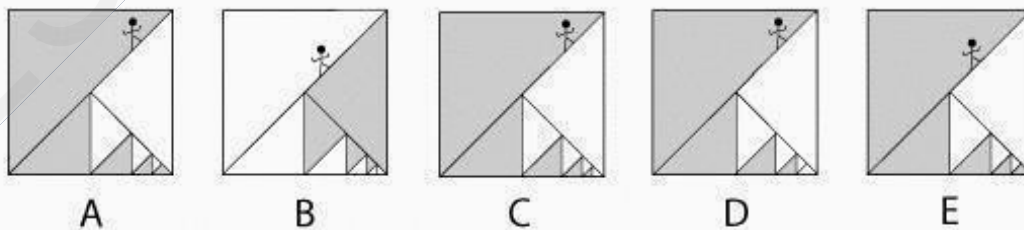
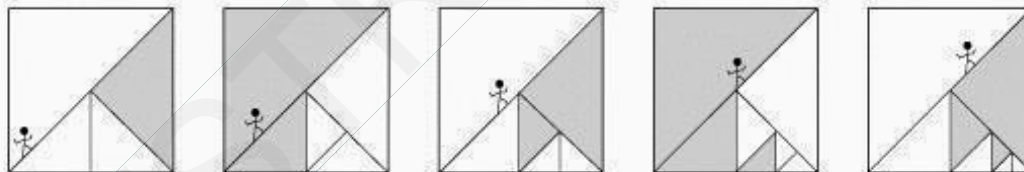
Question 21



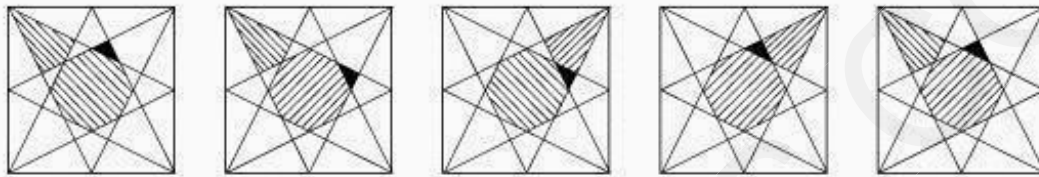
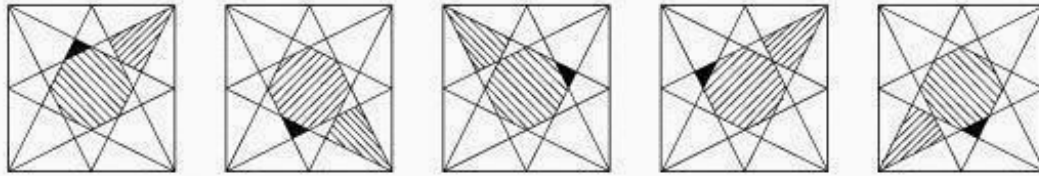
Question 22



Question 23



Question 24



A

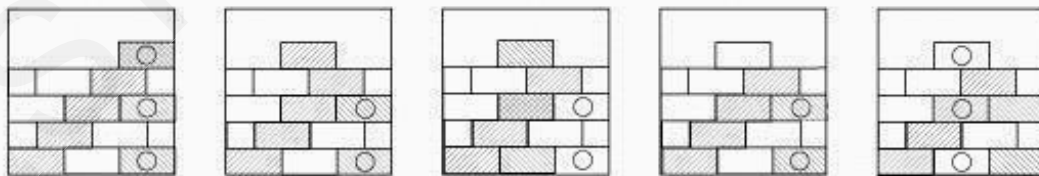
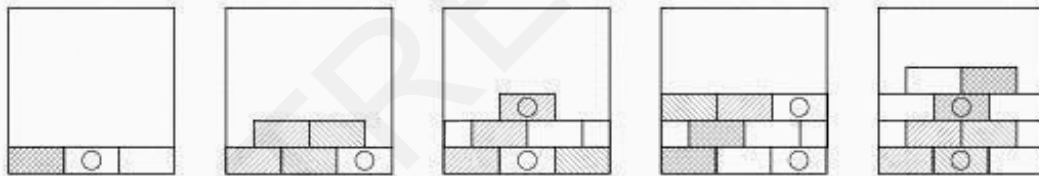
B

C

D

E

Question 25



A

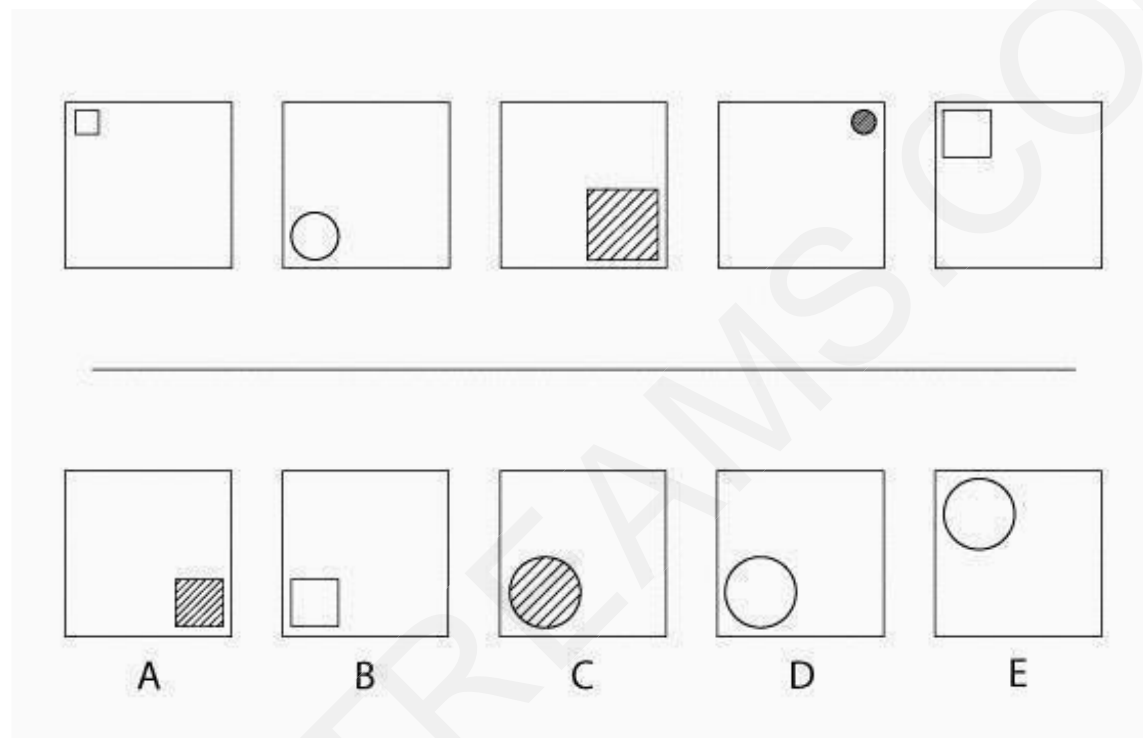
B

C

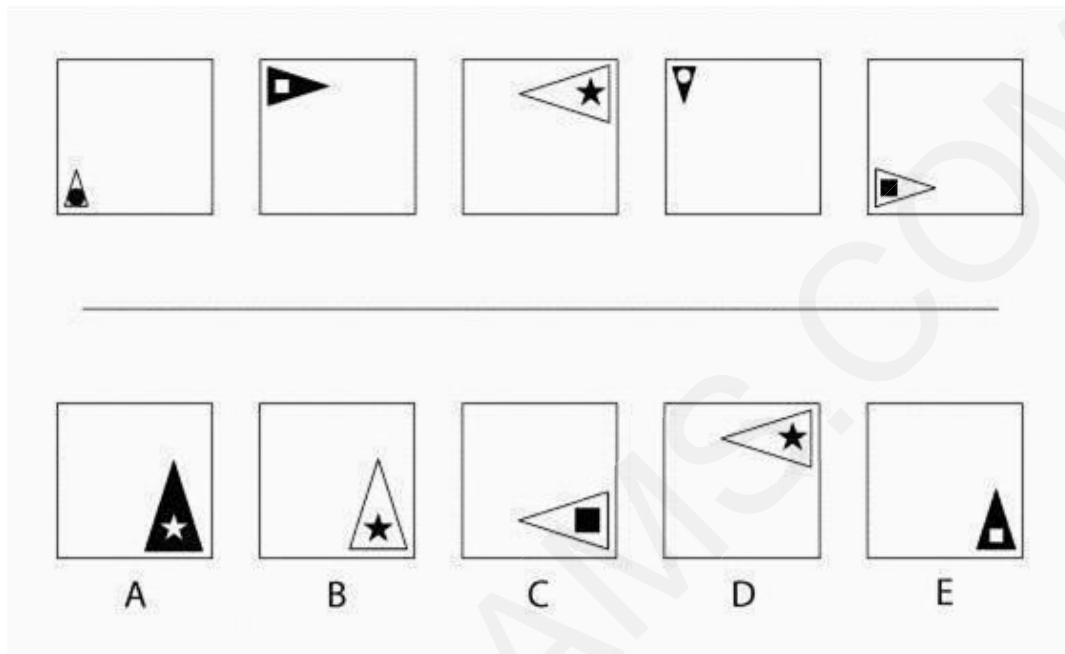
D

E

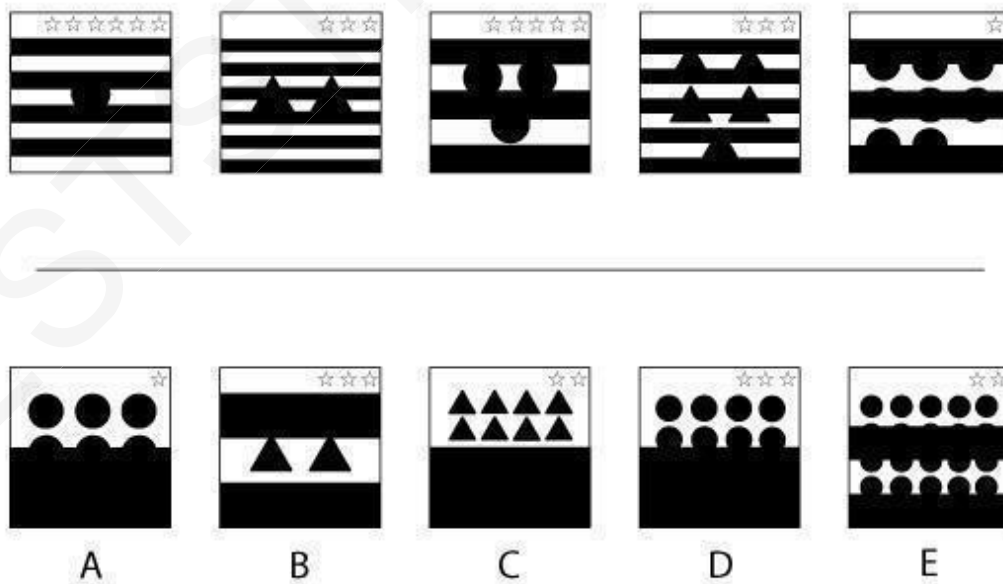
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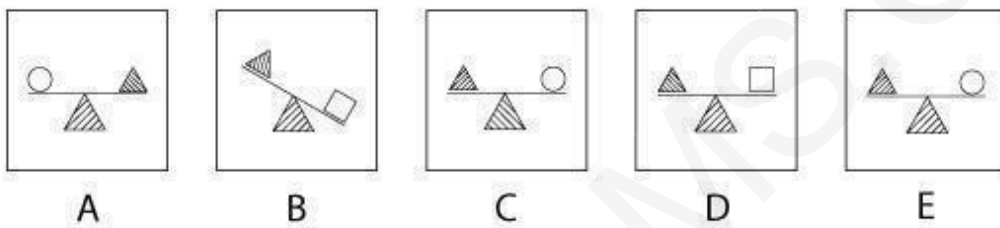
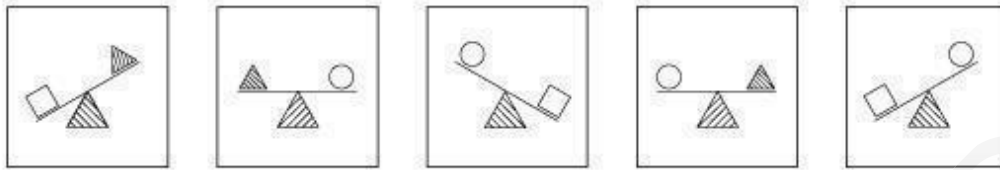
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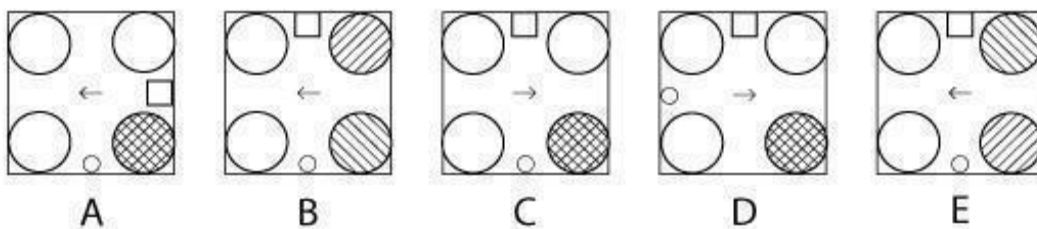
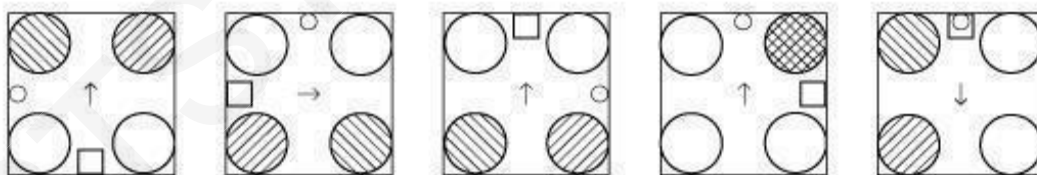
Question 28



Question 29



Question 30



Every business organization operating in Nigeria must pay V.A.T (Value Added Tax) of 17.5% on the profit they make for the product they sell or service they render. However, if your organization is registered with VISCO Tax Company you will be partly exempted from paying V.A.T on your goods or services.

Every business organization registered with VISCO pays a tax of 15%.

Using the table below that shows income for June 2013, solve Question 31

– 35

Company Name	Durables(N)	Perishables(N)	Services(N)
Annex & Co	150,000	175,000	50,000
Bisco Solutions	125,000	180,000	25,000
Casper Nig. Ltd.	85,000	200,000	40,000

Question 31

How much V.A.T will Annex and Co pay for V.A.T for its services if it is registered with VISCO Tax Company and it made a profit of 10% for the month of June.

- A. ₦ 1050
- B. ₦ 950
- C. ₦ 850
- D. ₦ 750
- E. ₦ 650

Question 32

Bisco Solutions is not registered with VISCO Tax Company and it made a profit that is half its perishable income. How much V.A.T would Bisco pay for its perishable goods.

- A. ₦ 14,000
- B. ₦ 15,000
- C. ₦ 15,300
- D. ₦ 15,500
- E. ₦ 16,000

Question 33

If all three Companies was owned by ABC & Co Nig Ltd and ABC is registered with VISCO Tax Company. How much V.A.T would ABC & Co pay for its services if it made a profit of 40%

- A. ₦ 17,250
- B. ₦ 17,000
- C. ₦ 16,500
- D. ₦ 16,250
- E. ₦ 16,000

Question 34

Casper made service income without incurring any cost in service provision. If Casper is registered with VISCO Tax Company. How much V.A.T would it pay?

- A. ₦ 3000
- B. ₦ 4000
- C. ₦ 5000
- D. ₦ 5,500
- E. ₦ 6000

Question 35

How much would Annex & Co pay for V.A.T for its Durable goods income if it is not registered with VISCO Tax Company. Profit for June for Durable goods is 100,000

- A ₦ 12,800
- B. ₦ 14,000
- C. ₦ 17,000
- D. ₦ 18,280
- E. ₦ 19,000

Western Region-store location	Number of sales staff	Units sold					
		Week 1		Week 2		Week 3	
		<i>Actual</i>	<i>Target</i>	<i>Actual</i>	<i>Target</i>	<i>Actual</i>	<i>Target</i>
Redcliff	8	20	15	20	25	35	35
Ather	9	30	20	40	25	40	35
Wilkington	5	25	20	18	25	24	30
Trew	8	15	10	14	15	12	15
Tunston	6	5	10	6	15	9	15

Question 36

For Weeks 1 and 3, across all 5 stores combined, what was the difference (in units) between Actual and Target sales volumes?

- (A) 10 over target (Week 1); 10 under target (Week 3)
- (B) 10 over target (Week 1); 15 under target (Week 3)
- (C) 15 over target (Week 1); 10 under target (Week 3)
- (D) 15 over target (Week 1); 15 under target (Week 3)
- (E) 20 over target (Week 1); 10 under target (Week 3)

Question 37

Over the three week period, which Store achieved the highest sales per sales staff member?

- (A) Redcliff
- (B) Ather
- (C) Wilkington
- (D) Trew
- (E) Tunston

Question 38

Next year staff numbers are to be reduced by 1 at stores with 6 or less staff, and by 2 staff at all other stores. What will be the average monthly target per staff member across all 5 stores if the regional target (across the 5 stores) is £168,000?

- (A) £5,000
- (B) £6,000
- (C) £7,000
- (D) £8,000
- (E) £9,000

Question 39

The Western Region's overall sales (£120,000) were in a ratio of 3:2 to the Eastern Region's sales which itself had half the sales of the Northern and Southern Regions combined. What were the total sales of all 4 Regions?

- (A) £180,000
- (B) £200,000
- (C) £220,000

(D) £240,000

(E) £360,000

Question 40

All sales in the three week period were based on an average £9.50 reduction in the sales price of the units sold. What was the total saving made by customers who bought units over the 3 week period (to the nearest £100)?

- (A) £3,000
- (B) £3,500
- (C) £4,000
- (D) £4,500
- (E) £5,000

Total Product Sales by Demographic

	Units sold				Annual Target	Product Sales Target
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	(Unit sales)	(Euros)
Greece	26,000	30,000	31,300	21,000	110,000	250,000
Portugal	28,000	33,200	22,600	20,400	105,000	240,000
Austria	20,000	28,300	22,500	35,000	105,000	240,000
Ireland	19,900	25,000	27,200	30,300	105,000	260,000
Croatia	21,500	29,400	25,800	28,500	110,000	230,000

Question 41

What was the unit sales ratio of Austrian

Quarter 4 : Portugal Quarter 1: Greek

Quarter 4?

- A. 35:28:22
- B. 5:3:4
- C. 6:4:3
- D. 5:4:3
- E. 3:4:2

Question 42

Which country met or exceeded its annual target for unit sales?

- (A) Greece
- (B) Portugal
- (C) Austria
- (D) Ireland
- (E) Croatia

Question 43

The previous year's average number of Portuguese units sold per quarter was 20% higher than the year shown. What was the previous year's average number of Portuguese units sold per quarter?

- (A) 104,200
- (B) 31,260
- (C) 26,050
- (D) 21,260
- (E) 20,840

Question 44

If Austria's annual corporation tax was 22% on the first 200,000 of sales and 20% on sales exceeding 200,000, how much is their corporation tax bill for the year (assuming each unit is sold at 3.5)?

- (A) 34,000
- (B) 34,060

- (C) 37,060
- (D) 44,000
- (E) 78,000

Question 45

Greek and Irish sales generated 2.5 Euros per unit sold, whilst the other countries' sales generated 2.25 Euros per unit sold. Which country or countries exceeded their Annual Product Sales Target?

- (A) Portugal and Austria
- (B) Ireland and Austria
- (C) Croatia and Austria
- (D) Croatia and Greece
- (E) Ireland and Greece

Sales (£million)

	US (Jan- June)	US (July- Dec)	Annual US Sales Target	EU (Jan- June)	EU (July- Dec)	Annual EU Sales Target	Worldwide Sales (Jan-Dec)
Product A	54.5	50.5	110	90.5	91.4	180	320
Product B	61.1	59.2	120	72.2	77.8	160	300
Product C	60.5	58	120	88	92.2	180	330
Product D	76.5	74.1	150	105.3	98.2	200	380
Product E	72.7	78.2	150	89.2	94.8	190	350
US annual sales tax: 24% on the first £130 million of sales, 0% thereafter. EU annual sales tax: 22% on all sales.							

Question 46

If worldwide sales comprise US sales, EU sales and Far Eastern sales, which products had the highest annual Far Eastern Sales?

- (A) Product A
- (B) Product B
- (C) Product C

- (D) Product D
- (E) Product E

Question 47

For the five products combined there was a difference between total annual Sales and the total annual Sales Target. How did this difference compare for the US and the EU?

- (A) £27.1 million (US); £25.8 million (EU)
- (B) £638.3 million (US); £908.2 million (EU)
- (C) £4.7 million (US); £10.4 million (EU)
- (D) £271.7 million (US); £258.2 million (EU)
- (E) Cannot Tell

Question 48

If the annual EU sales for Products B and C both comprise online: offline sales in a ratio of 2:3 then what are the online EU sales for Products B and C combined?

- (A) £198,120,000
- (B) £19,812,000
- (C) £13,208,000
- (D) £132,080,000
- (E) None of These

Question 49

How much US and EU annual sales tax is due for Products B, C and D combined (to the nearest £million)?

- (A) £244 million
- (B) £211 million
- (C) £149 million
- (D) £243 million
- (E) £120 million

Question 50

Which of the following represents the smallest amount?

- (A) Product B's change in EU sales between Jan-June and July-Dec
- (B) 7% of Product D's US sales (Jan-June)
- (C) Product E's change in US sales between Jan-June and July-Dec
- (D) Average US Product A sales per month (July-Dec)
- (E) Average US Product C sales per month (Jan-June)

This Ability test comprises **50 questions**, and you will have **50 minutes** in

which to correctly answer as many as you can. Calculators are not permitted for this test, and it is recommended you have some rough paper to work on.

The test comprises of three sections:

- 1. Verbal Section (20 Questions)**
- 2. Abstract Section (10 Questions)**
- 3. Numerical Section (20 Questions)**

Workforce Ability Test 2

Instructions

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

You may click Back and Next during the test to review or skip questions.

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Try to find a time and place where you will not be interrupted during the test.

WHEN YOU ARE READY, BEGIN THE TEST.

Many businesses now recognize that there are wide-ranging benefits to be gained from offering their workforce flexible working arrangements. These arrangements can include being able to work from home, job sharing, part-time working and being able to choose when to complete agreed hours, for example through working fewer but longer days, or working flextime.

Employees able to adopt flexible working are better able to balance work and family commitments and are therefore happier at work, experiencing greater job satisfaction. They are also more motivated and less likely to leave which is important because staff recruitment costs are not insignificant to businesses. For businesses, they reap the benefits through productivity increases, and greater cost-effectiveness. Customers can benefit too as businesses are better able to react quickly to changes in the market. All employees have a statutory right to request flexible working arrangements; the law extends no further than insisting employers consider and respond to these requests within a predefined timescale.

Question 1

Flexible working arrangements are conducive to better job satisfaction for employees.

True

False

Cannot say

Question 2

Employees are legally entitled to work flexible hours if they request to do so.

True

False

Cannot say

Question 3

Employers may save on recruitment costs if they introduce flexible working hours.

True

False

Cannot say

In a new study of 3,000 employed men in the 19-70 age range over a period of 10 years, researchers found that those working for inconsiderate bosses were more likely to suffer from stress and stress-related illness than those working for more considerate and enlightened bosses. Previous research had shown that employees with inconsiderate bosses suffered from high blood pressure, which is known to increase the risk of heart disease. In this latest survey the researchers asked employees to assess the competence of their bosses as leaders. They found that those who had categorized their boss as incompetent were 25% more at risk of serious heart disease and that this level of risk increased the longer they continued to work for the same boss. The statistics took into account external factors such as social class, educational background, lifestyle and any existing illness. The researchers recommended that should their findings be confirmed, managers should be given training to help them improve their working relationships.

Question 4

People who think their boss is incompetent are twenty five percent more likely to suffer stress.

True

False

Cannot say

Question 5

This latest study is the first to suggest a link between the behaviour of bosses and the blood pressure of their employees.

True

False

Cannot say

Question 6

Managers should be given training to help them improve their working relationships.

True

False

Cannot say

A common difficulty faced by business managers is when the behaviour of a team member conflicts with established desirable practice. How does a good leader handle such an issue? One effective angle is to lead by example: instead of waiting for a problem to develop, take a proactive approach in heading it off with reference to clearly laid out guidelines. If a problematic situation does develop, controlling it can be made simpler by invoking existing values from a mission statement which has been set out in advance. A good team will always put the needs of the organisation first.

Taking such an approach gives the team a sense of personal involvement which encourages them to feel part of the organisation's mission, internalising the needs of the group rather than feeling a sense of externally imposed obligation. It provides team members with a greater sense of personal control, the sense that they have contributed individually, and by choice, to the well-being of their organisation.

To achieve this, a manager must have a good understanding of the way individual people communicate – a flexible approach is essential, using real-life practical examples relevant to each team-member's particular experience.

Question 7

Leading by example is an effective approach in dealing with problematic behaviour from employees.

True

False

Cannot say

Question 8

A manager who understands how people communicate is able to take a flexible approach in dealing with problems.

True

False

Cannot say

Question 9

In a good team, the needs of the organisation are secondary to the needs of the individual.

True

False

Cannot say

The secret to success in business is entrepreneurial spirit at all levels of the company. Employees who are identified as entrepreneurs in their own right are more motivated – their own financial success becomes integrated with the company's. Those who are oriented towards personal entrepreneurship will work long hours to develop their own tried-and-tested business practices and strategies, contributing as willing partners to the achievements of the company as a whole.

Orientation and value-formation training can induce this kind of thinking in new staff recruits, inculcating the notion of how quickly it is possible to achieve financial security through hard work and innovative business approaches, combined with the impression that to miss out on opportunities for such rapid economic and social advancement would be at best unwise and at worst catastrophic.

Question 10

Employees instilled with the idea of personal entrepreneurship will be less willing to contribute to the success of the company as a whole.

True

False

Cannot say

Question 11

New staff members can be indoctrinated with the virtues of entrepreneurship.

True

False

Cannot say

Question 12

Employees encouraged to think of themselves as entrepreneurs work fewer hours than other staff members.

True

False

Cannot say

While most forms of discrimination in the workplace have been outlawed, discrimination or bias against some employees seeking career advancement still happens. This discrimination is both unwritten and unacknowledged. A „glass ceiling“ is the term used to describe this type of discrimination and refers to the invisible barrier that people hit when they try to progress beyond a certain level in some businesses and organisations. Originally coined to illustrate the hidden use of sexual discrimination against women in professional environments, it is now used to describe any form of discrimination, such as racism or ageism, which prevents qualified or experienced employees reaching even basic levels within their organisation. Some reports and studies now suggest that change is happening and that cracks are beginning to appear in the glass. The studies also claim however that change is happening slowly and that the cracks are small.

Question 13

There is no legislation covering discrimination at work so employers have to develop their own ways of preventing it.

True

False

Cannot say

Question 14

Males are less likely to experience the glass ceiling effect than females.

True

False

Cannot say

Question 15

A glass ceiling can prevent qualified people from getting to the top of their field.

True

False

Cannot say

Question 16

Which of the following best completes the passage below?

In a survey of job applicants, two-fifths admitted to being at least a little dishonest. However, the survey may underestimate the proportion of job applicants who are dishonest, because_____.

- A. some dishonest people taking the survey might have claimed on the survey to be honest
- B. some generally honest people taking the survey might have claimed on the survey to be dishonest
- C. some people who claimed on the survey to be at least a little dishonest may be very dishonest
- D. some people who claimed on the survey to be dishonest may have been answering honestly
- E. some people who are not job applicants are probably at least a little dishonest

Question 17

Samuel is obviously a bad fisherman. During the past season, in which he and the five members of his team spent four months on a boat together off Dutch Harbor, AK, he caught fewer fish than any of his teammates.

Which of the following strategies would be most likely to minimize Company X's losses on the policies?

- A Two seasons ago, Samuel fished on another boat off Dutch Harbor and caught more fish than any other member of that boat.
- B Before becoming a fisherman, Samuel piloted a fishing boat whose members regularly caught record numbers of fish.
- C While fishing this past season, Samuel fell sick for a week and did not catch any fish during this time.
- D Unlike the other fishermen on his boat, at the order of the captain, Samuel fished this past season with experimental bait.
- E Amongst the fishing community in Dutch Harbor, Samuel has a reputation for being an especially bad fisherman.

Question 18

Eating beets significantly lowers the risk of cancer, according to an article in a nutritional magazine. The article refers to a study that found that people who consumed one or more beets per day were half as likely to be diagnosed with the disease as people who did not.

Which of the following, if true, most weakens the argument in the magazine article?

- A Another study found that people who consumed one tablespoon of flax seed oil per day were more than four times less likely to be diagnosed with cancer as those who did not.
- B Participants in the study reported consuming no vegetables other than beets.
- C The study was only conducted in one city.
- D In another experiment, cancer patients who ate one or more beets per day were no more likely to recover than those who ate no beets.
- E The participants in the study who ate beets were more likely to exercise regularly than those who did not eat beets.

Question 19

The cost of producing radios in Country Q is ten percent less than the cost of producing radios in Country Y. even after transportation fees and tariff charges are added, it is still cheaper for a company to import radios from Country Q to Country Y than to produce radios in Country Y.

The statements above, if true, best support which of the following assertions?

- A. labor costs in Country Q are ten percent below those in Country Y.
- B. importing radios from Country Q to Country Y will eliminate ten percent of the manufacturing jobs in Country Y
- C. the tariff on a radio imported from Country Q to Country Y is less than ten percent of the cost of manufacturing the radio in Country Y.
- D. the fee for transporting a radio from Country Q to Country Y is more than ten percent of the cost of manufacturing the radio in Country Q.
- E. it takes ten percent less time to manufacture a radios in Country Q than it does in Country Y.

Question 20

Toughened hiring standards have not been the primary cause of the present staffing shortage in public schools. The shortage of teachers is primarily caused by the fact that in recent years teachers have not experienced any improvements in working conditions and their salaries have not kept pace with salaries in other professions.

Which of the following, if true, would most support the claims above?

- A. Many teachers already in the profession would not have been hired under the new hiring standards.
- B. Today more teachers are entering the profession with a higher educational level than in the past.
- C. Some teachers have cited higher standards for hiring as a reason for the current staffing shortage.

D. Many teachers have cited low pay and lack of professional freedom as reasons for their leaving the profession.

E. Many prospective teachers have cited the new hiring standards as a reason for not entering the profession.

In each question you will be presented with a logical sequence of five figures. You will need to determine which of the possible answers best matches the next figure in the sequence, or which replaces the question mark.

Question 21



A

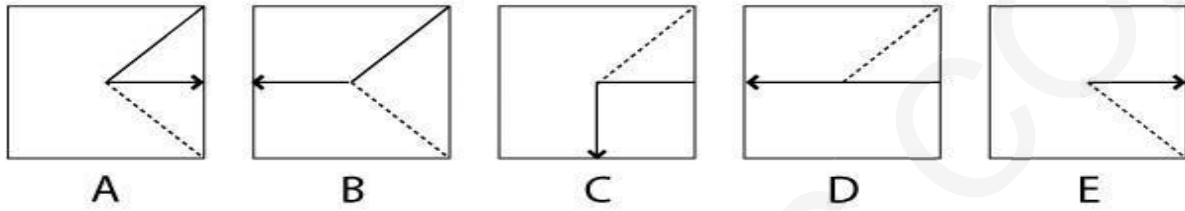
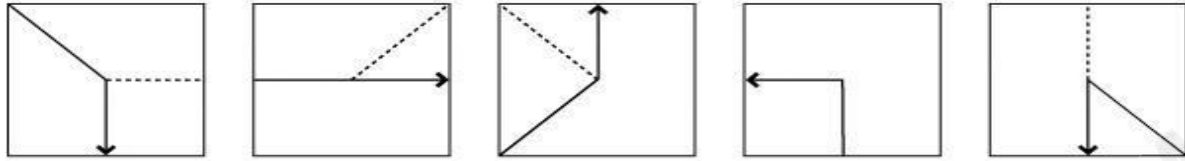
B

C

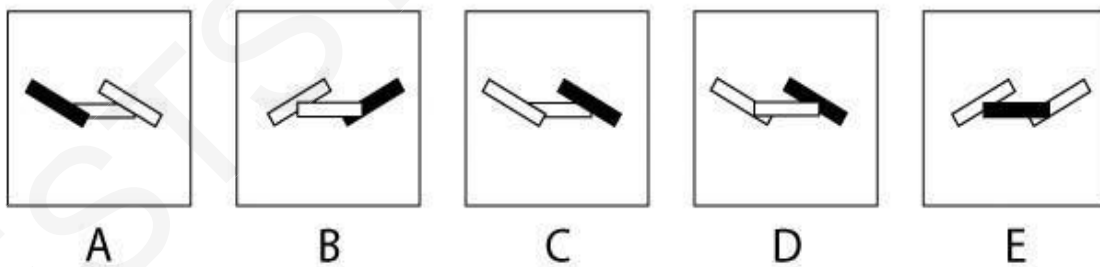
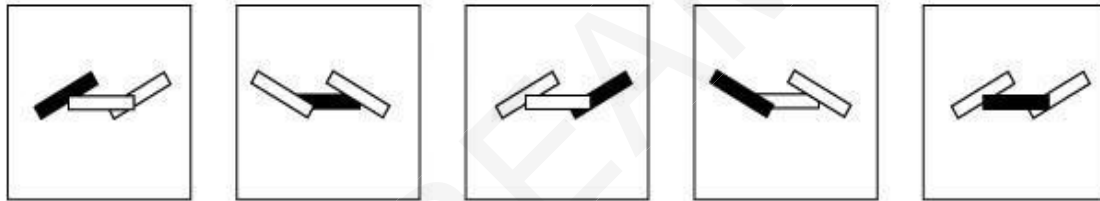
D

E

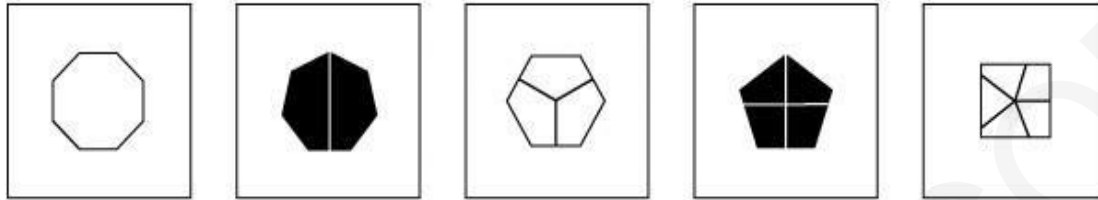
Question 22



Question 23



Question 24



A

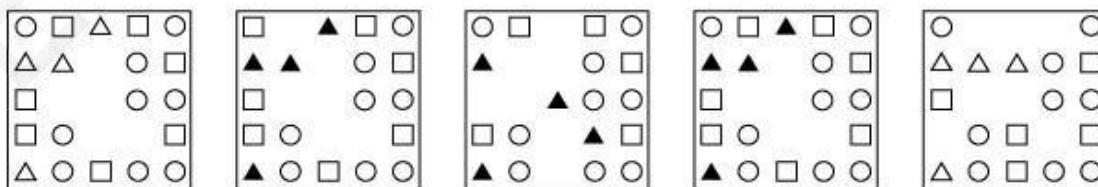
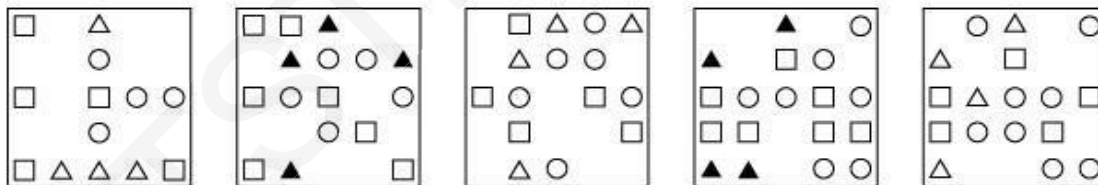
B

C

D

E

Question 25



A

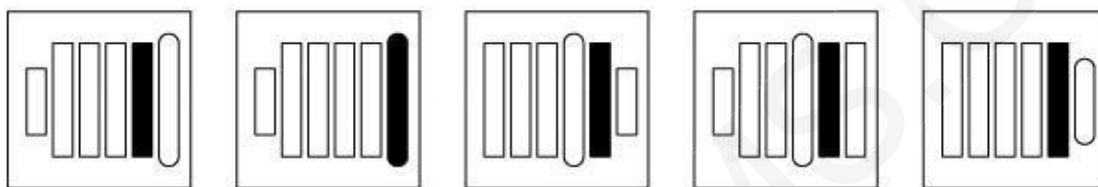
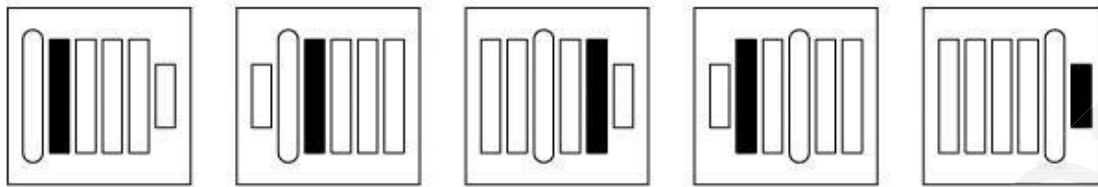
B

C

D

E

Question 26



A

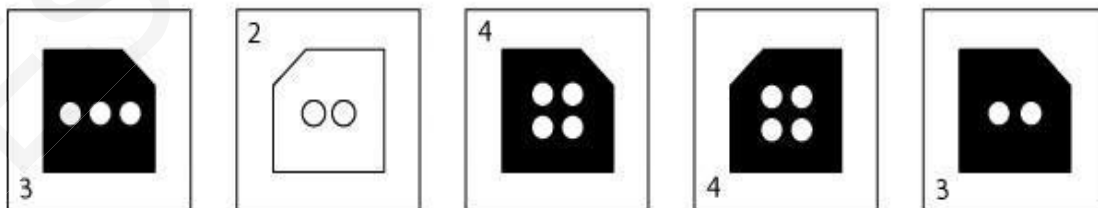
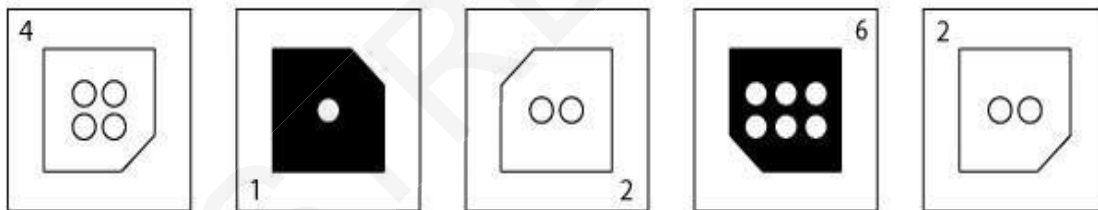
B

C

D

E

Question 27



A

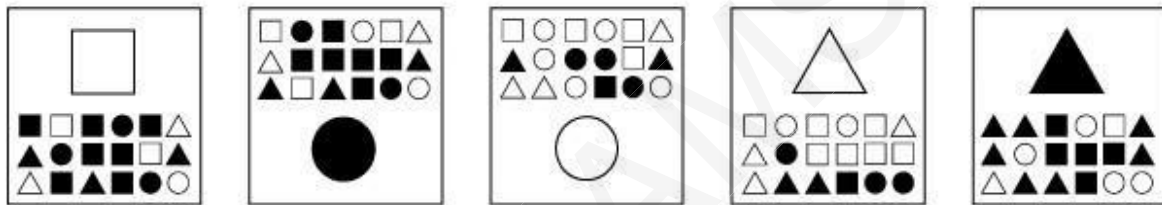
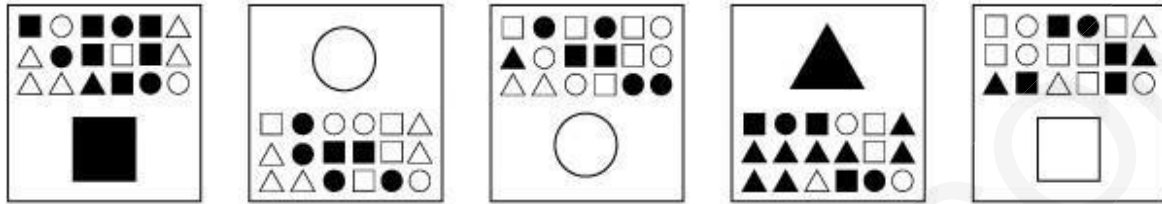
B

C

D

E

Question 28



A

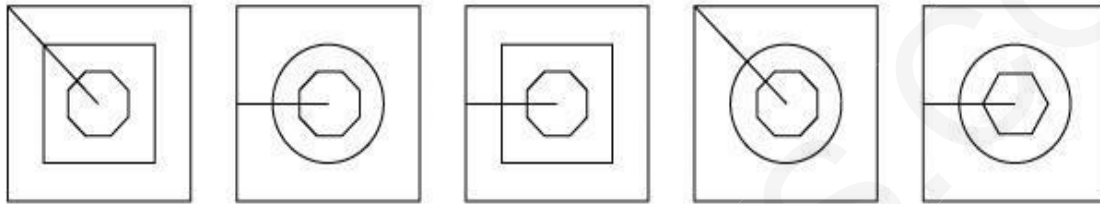
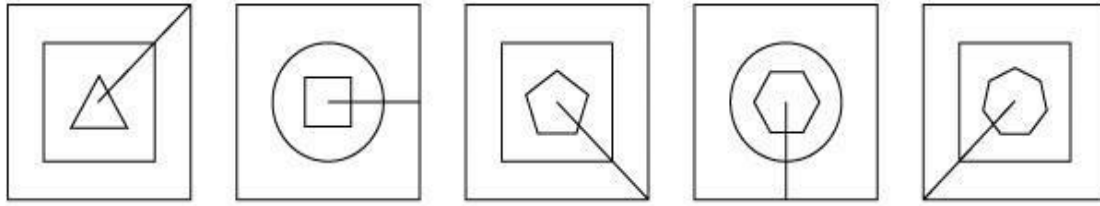
B

C

D

E

Question 29



A

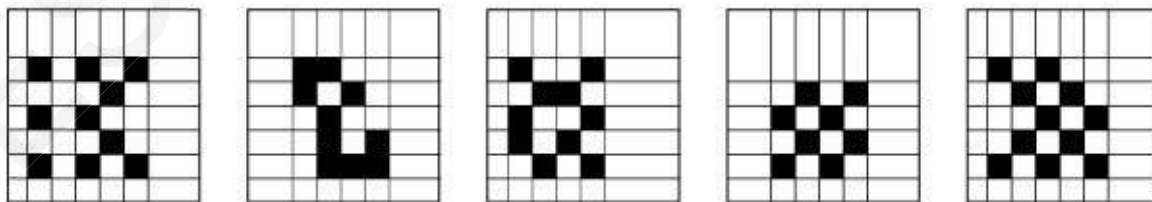
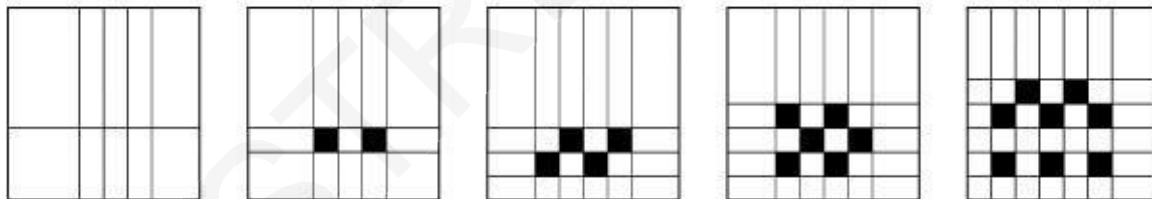
B

C

D

E

Question 30



A

B

C

D

E

Question 31

After adding his percentage profit on a Wine drink the value came to £72.00.

How much would Frank put as the selling price of the wine drink?

- A. £82.80
- B. 85.60
- C. 88.60
- D. 89.20
- E. 89.70

Question 32

Charles sold a cane rack for £90.00. What was the original price of the cane rack before V.A.T was added.

- A. £67.20
- B. £77.20
- C. £78.20
- D. £88.20
- E. £89.20

Question 33

What is the V.A.T amount if a product sold for £84.00.

- A. £10.50
- B. £12.60
- C. £14.70
- D. £15.80
- E. £16.90

Question 34

The normal cost for a pair of trousers should have been £50.00 but because Mary trying to avoid V.A.T puts the price at?

- A. £43.10
- B. £45.50
- C. £55.70
- D. £57.50
- E. £61.10

Question 35

The original cost of a goods tagged for sale at £120 should have been?

- A. £104.35
- B. £106.20
- C. £106.40
- D. £108.30
- E. £108.45

TOTAL SALES (£millions)			
Region	Previous Year	Current Year	Next Year's Projection
Northern	310	310	320
Southern	170	160	165
Eastern	290	300	275
Western	255	280	270
Central	110	90	125

Question 36.

If the sales projections for next year prove accurate, which region will have maintained or increased sales levels each year from the previous year to next year?

- A. Northern Region
- B. Southern Region
- C. Eastern Region
- D. Western Region
- E. Central Region

Question 37

What is the absolute difference between the lowest and the highest performing region (to the nearest £million) in the current year?

- (A) £216 million
- (B) £217 million
- (C) £218 million
- (D) £219 million
- (E) £220 million

Question 38

If next year's forecasts are scaled back by a quarter for the Northern and Western region, and by a fifth for the Southern and Eastern regions, what will be the total projected sales for all 5 regions?

- A. £1,155 million
- B. £924 million
- C. £919.50 million
- D. £942 million
- E. £866.25 million

Question 39

What were the ratios for the Central: Eastern regional sales for the Previous Year compared to the Current Year?

- A. 9:30 (Previous Year); 3:11 (Current Year)
- B. 20:50 (Previous Year); 3:11 (Current Year)
- C. 10:30 (Previous Year); 5:11 (Current Year)
- D. 11:29 (Previous Year); 3:10 (Current Year)
- E. 5:11 (Previous Year); 11:29 (Current Year)

Question 40

Put the regions in increasing order of total combined sales for the current year and next year's projection

- A. 2005, 2007
- B. 2006, 2008
- C. 2007, 2008
- D. 2008, 2005
- E. 2009, 2005

Consolidated Income Statements (£millions)	Competitor A	Competitor B	Competitor C
Revenue	580	632	600
Gross profit	128	148	147
Operational profit	108	128	131
Profit before tax	90	112	117
Corporation tax*	-27	-33.6	-35.1
Profit after tax	63	78.4	81.9

*Tax = 30%

Question 41

If Profit before tax increases by 15% for Competitor B and decreases by 8% for Competitor A, what is the difference between Competitor A and Competitor B's corporation tax payments (to the nearest £million)?

- A. £10 million
- B. £12 million
- C. £14 million
- D. £16 million
- E. £18 million

Question 42

Competitor B and Competitor C choose to declare their Revenues in \$ and Euros respectively. What are these figures? (Use the exchange rates 1£ = \$1.66; 1£ = 1.15).

- A. \$1,043 million (Competitor B); 708 million (Competitor C)
- B. \$1,049 million (Competitor B); 690 million (Competitor C)
- C. \$1,049 million (Competitor B); 720 million (Competitor C)
- D. \$720 million (Competitor B); 1,055 million (Competitor C)
- E. Can't tell from the data provided

Question 43

What would be the difference in Euros if Competitor A used an exchange rate of $1\text{£} = 1.20$, rather than $1\text{£} = 1.15$, when calculating its Profit after tax?

- A. 0.05 million
- B. 1.15 million
- C. 2.05 million
- D. 3.05 million
- E. 3.15 million

Question 44

What was the average Gross profit across the 3 competitors (to the nearest £10million)?

- A. £140 million
- B. £141 million
- C. £142 million
- D. £143 million
- E. £144 million
- F.

Question 45

What is the total corporation tax payable for the 3 competitors (based upon the Profit before tax figures shown)?

- A. £62 million
- B. £46 million
- C. £26 million
- D. £25 million
- E. Can't tell from dat

	2006	2007	2008	2009	2010
	(£million)	(£million)	(£million)	(£million)	(£million)
Adjusted earnings	1.02	1.05	0.95	0.98	1.11
Cash flow	1.32	1.42	1.34	1.25	1.53
Attributable profit	1.95	2.11	1.93	1.88	2.23
Average profit (per 500 units)	£250	£325	£175	£200	£300
Average sales price (per unit)	£4.50	£4.65	£4.30	£4.15	£4.60

Question46

From 2006 to 2007 Attributable profit increased at double the percentage rate as it did between 2005-2006. What was the Attributable profit figure for 2005?

- A. £0.23 million
- B. £1.03 million
- C. £1.83 million
- D. £1.87 million
- E. £2.03 million

Question 47

If the target was to have an average profit (per unit) in excess of 50p, in which year or years was this achieved?

- A. 2006
- B. 2006 & 2007
- C. 2010

D. 2007 and 2010

E. 2006, 2007 & 2010

Question 48

In 2011, if Adjusted earnings increase by an eighth and there is a 2:3 ratio of (2011 Adjusted earnings: 2011 Cash flow), what will be the Cash flow in 2011?

- A. £2.14 million
- B. £1.87 million
- C. £1.25 million
- D. £0.83 million
- E. £0.14 million

Question 49

Which year had the lowest ratio of adjusted earnings to Attributable profit?

- A. 2006
- B. 2007
- C. 2008
- D. 2009
- E. 2010

Question 50

Which year from 2007 onwards showed the greatest percentage change in Cash flow compared to the preceding year?

- A. 2006
- B. 2007
- C. 2008
- D. 2009
- E. 2010

Workforce Ability Test 3

Instructions

This Ability test comprises **50 questions**, and you will have **50 minutes** in which to correctly answer as many as you can. Calculators are not permitted for this test, and it is recommended you have some rough paper to work on.

The test comprises of three sections:

1. Verbal Section (20 Questions)
2. Abstract Section (10 Questions)
3. Numerical Section (20 Questions)

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

You may click Back and Next during the test to review or skip questions.

You can submit your test at any time. If the time limit is up before you click submit the test will automatically be submitted with the answers you have selected. It is recommended to keep working until the time limit is up.

Try to find a time and place where you will not be interrupted during the test.

When you are ready, begin the test.

For ambitious employees, a good relationship with their immediate boss is crucial. A bad relationship can lead to missed opportunities for promotion, and even damage professional reputations. A boss who possesses a thorough understanding of the company's future direction and ultimate goals is the person best equipped to help an employee achieve success.

Communication is key. It is important to understand a boss's personal goals and priorities within the company, as well as their individual management approach. Clarifying instructions, anticipating needs, requesting feedback, and accepting criticism gracefully all help to build a solid working relationship.

On the other hand, artificial flattery or excessive deference are tactics unlikely to impress if promotion is the goal – a good employee should demonstrate the potential to be an equally effective boss.

Question 1

Employees must reject criticism to build a good working relationship with their boss.

True

False

Cannot say

Question 2

A bad relationship with a boss can lead to missed opportunities, but does not risk an employee's reputation.

True

False

Cannot say

Question 3

Flattering the boss can be an effective approach for an employee seeking promotion.

True

False

Cannot say

Well-regulated, ethical practices should always be an area of primary concern for any business. In an environment where multinational conglomerates predominate, owners of small businesses may feel anonymous enough to become flexible about their code of ethics. However, the increasingly inescapable attention of the media allows an unprecedented number of individuals to access news and information with greater speed than ever before – unethical practices can become a matter of public knowledge overnight, with devastating consequences. Codes of ethical practice should apply not only to clients, but to employees, who are just as able to draw inappropriate behaviour on the part of their employers to the public's attention. In today's society, businesses of any size must be able to demonstrate transparency and accountability in their dealings with employees, clients, and the public alike.

Question 4

Unethical practices are only a problem if the public becomes aware of them.

True

False

Cannot say

Question 5

Employees of a company should be subject to ethical codes of practice.

True

False

Cannot say

Question 6

More people than ever before have access to information about companies' ethical practices.

True

False

Cannot say

Successful and cost-effective advertising is an important issue to consider when starting up a business. A comprehensive business plan should include details of advertising strategies, a helpful starting point for which is an analysis of the advertising currently being used by competitors in the same line of business.

The rise of the internet has provided a variety of new opportunities for advertising, of which an innovative business should take full advantage. A well-designed website should ideally combine a professional appearance with user-friendly functionality, and be widely promoted to draw as much traffic as possible. This not only increases the visibility of a company, but assures potential clients that the company has a forward-thinking, enterprising outlook, and is willing to embrace as well as exploit the latest technological developments.

Question 7

An analysis of competitors' advertisements is helpful in laying out advertising strategies for a new business

True

False

Cannot say

Question 8

A professional and user-friendly website will attract a lot of traffic.

True

False

Cannot say

Question 9

Clients prefer a company that is forward-thinking and enterprising.

True

False

Cannot say

Work-related stress is one of the biggest causes of sick leave in the UK. If you've noticed you always seem to be rushing about, or miss meal breaks, take work home or don't have enough time for relaxation, seeing your family or for exercise, then you may well find yourself under stress, especially at work. There is often no single cause of work-related stress, but it can be caused by poor working conditions, long hours, relationship problems with colleagues, or lack of job security. Stress is often the result of a combination of these factors that builds up over time. Work-related stress can result in both physical problems such as headaches, muscular tension, back or neck pain, tiredness, digestive problems and sweating; or emotional problems, such as a lower sex drive, feelings of inadequacy, irritability and lack of concentration. According to recent surveys, one in six of the UK working population said their job is very stressful, and thirty percent of men said that the demands of their job interfere with their private lives.

Question 10

Stress at work is often caused by relationship problems with your partner.

True

False

Cannot say

Question 11

Work-related stress can result in tiredness and a lack of concentration.

True

False

Cannot say

Question 12

One in six working men say their job is very stressful.

Many people are aware that high cholesterol contributes to heart disease, but they will be surprised to learn that cholesterol performs essential functions in the human body. A lipid made in the liver and found in animal cell membranes, cholesterol is used to repair tissues and digest fat, as well as in the manufacture of hormones, bile salts, and Vitamin D. However, problems arise when an excess of cholesterol builds up on blood vessel walls, thus impeding blood flow. A person's blood cholesterol count is comprised of two different types of cholesterol: low-density lipoprotein (LDL), sometimes called "bad" cholesterol, and high-density lipoprotein (HDL), known as "good" cholesterol. Whereas HDL carries cholesterol away from the arteries to the liver, LDL carries cholesterol from the liver to the arteries where it accumulates. Although certain foods deriving from animals, such as meat, shellfish, cheese and eggs, are high in dietary cholesterol, it is actually the consumption of the saturated fats found in red meat, full-fat dairy products, cakes and biscuits that raises levels of "bad" cholesterol. Conversely, eating polyunsaturated fats and soluble fibre can lower LDL.

Question 13

Full-fat dairy products have no effect on a person's levels of LDL.

Question 14

Not everyone is aware of the true effect of cholesterol on one's health.

True

False

Cannot say

Question 15

To maximize blood flow in the arteries, HDL levels should be minimized.

True

False

Cannot say

THE NEXT 5 QUESTIONS DEAL WITH CRITICAL REASONING:

Question 16

The ice on the front windshield of the car had formed when moisture condensed during the night. The ice melted quickly after the car was warmed up the next morning because the defrosting vent, which blows on the front windshield, was turned on full force.

Which of the following, if true, most seriously jeopardizes the validity of the explanation for the speed with which the ice melted?

- A. The side windows had no ice condensation on them
- B. Even though no attempt was made to defrost the back window, the ice there melted at the same rate as did the ice on the front windshield.
- C. The speed at which ice on a window melts increases as the temperature of the air blown on the window increases
- D. The warm air from the defrosting vent for the front windshield cools rapidly as it dissipates throughout the rest of the car.
- E. The defrosting vent operates efficiently even when the heater, which blows warm air toward the feet or faces of the driver and passengers, is on.

Question 17

A conservation group in the United States is trying to change the long-standing image of bats as frightening creatures. The group contends that bats are feared and persecuted solely because they are shy animals that are active only at night.

Which of the following, if true, would cast the most serious doubt on the accuracy of the group's contention?

- A. Bats are steadily losing natural roosting places such as caves and hollow trees and are thus turning to more developed areas for roosting.
- B. Bats are the chief consumers of nocturnal insects and thus can help make their hunting territory more pleasant for humans.
- C. Bats are regarded as frightening creatures not only in the United States but also in Europe, Africa, and South America.
- D. Raccoons and owls are shy and active only at night; yet they are not generally feared and persecuted.
- E. People know more about the behavior of other greatly feared animal species, such as lions, alligators, and snakes, than they do about the behavior of bats.

Question 18

Opponents of laws that require automobile drivers and passengers to wear seat belts argue that in a free society people have the right to take risks as long as the people do not harm others as a result of taking the risks. As a result, they conclude that it should be each person's decision whether or not to wear a seat belt.

Which of the following, if true, most seriously weakens the conclusion drawn above?

- A. Many new cars are built with seat belts that automatically fasten when someone sits in the front seat.

- B. Automobile insurance rates for all automobile owners are higher because of the need to pay for the increased injuries or deaths of people not wearing seat belts.
 - C. Passengers in airplanes are required to wear seat belts during takeoffs and landings.
 - D. The rate of automobile fatalities in states that do not have mandatory seat belt laws is greater than the rate of fatalities in states that do have such laws.
- In automobile accidents, a greater number of passengers who do not wear seat belts are injured than are passengers who do wear seat belts.

Question 19

The cost of producing radios in Country Q is ten percent less than the cost of producing radios in Country Y. even after transportation fees and tariff charges are added, it is still cheaper for a company to import radios from Country Q to Country Y than to produce radios in Country Y.

The statements above, if true, best support which of the following assertions?

- A. labor costs in Country Q are ten percent below those in Country Y.
- B. importing radios from Country Q to Country Y will eliminate ten percent of the manufacturing jobs in Country Y.
- C. the tariff on a radio imported from Country Q to Country Y is less than ten percent of the cost of manufacturing the radio in Country Y.
- D. the fee for transporting a radio from Country Q to Country Y is more than ten percent of the cost of manufacturing the radio in Country Q.
- E. it takes ten percent less time to manufacture a radios in Country Q than it does in Country Y

Question 20

During the Second World War, about 375,000 civilians died in the United States and about 408,000 members of the United States armed forces died overseas. On the basis of those figures, it can be concluded that it was not much more dangerous to be overseas in the armed forces during the Second World War than it was to stay at home as a civilian.

Which of the following would reveal most clearly the absurdity of the conclusion drawn above?

A. Counting deaths among members of the armed forces who served in the United

States in addition to deaths among members of the armed forces serving overseas B. Expressing the difference between the numbers of deaths among civilians and members of the armed forces as a percentage of the total number of deaths

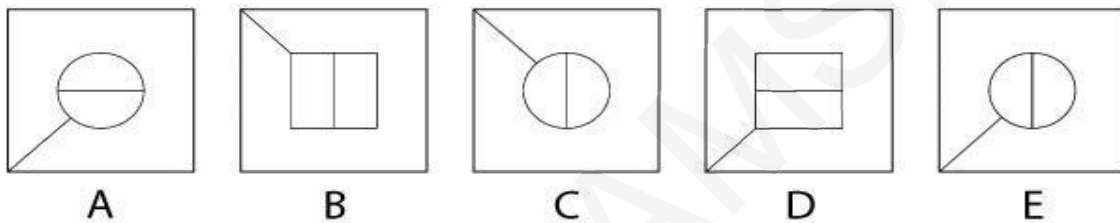
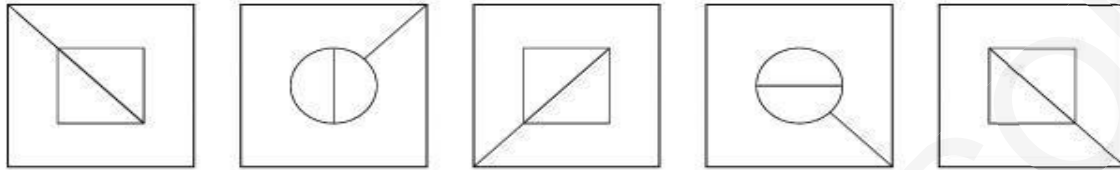
C. Separating deaths caused by accidents during service in the armed forces from deaths caused by combat injuries

D. Comparing death rates per thousand members of each group rather than comparing total numbers of deaths

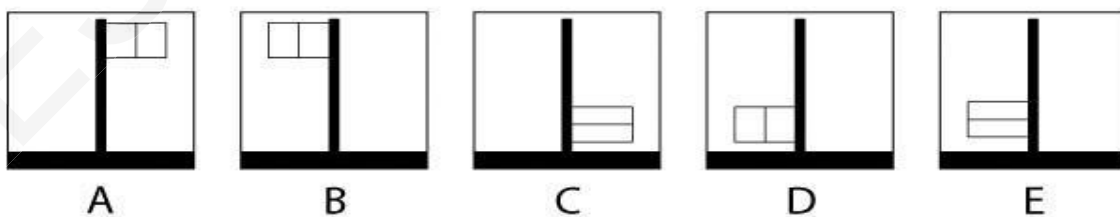
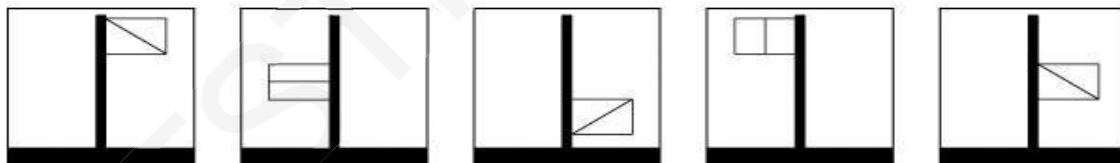
E. Comparing deaths caused by accidents in the United States to deaths caused by combat in the armed forces

In each question you will be presented with a logical sequence of five figures. You will need to determine which of the possible answers best matches the next figure in the sequence, or which replaces the question mark.

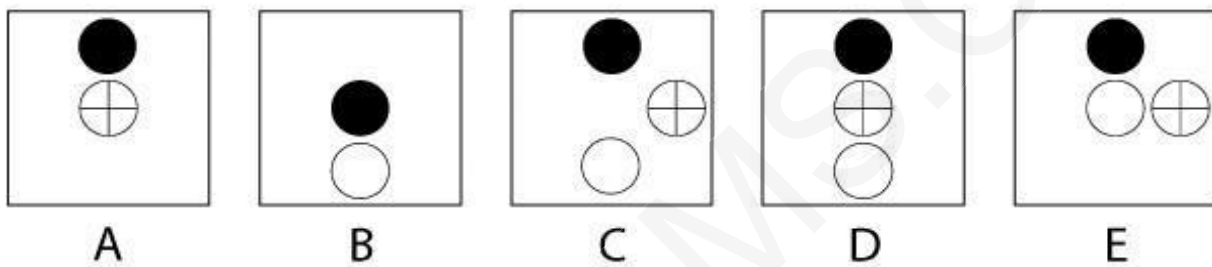
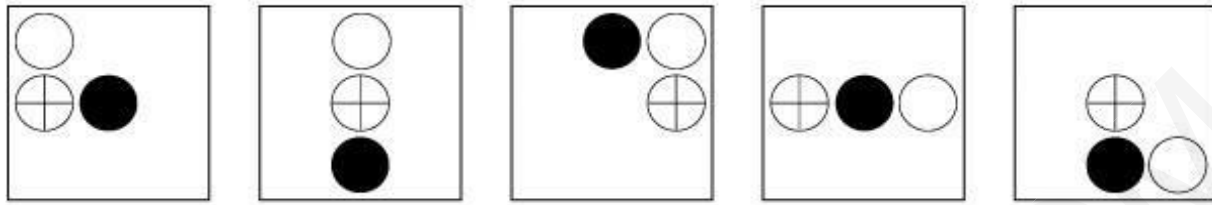
Question 21



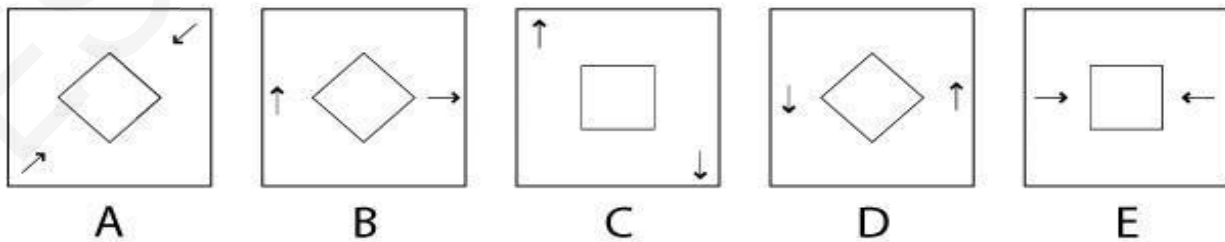
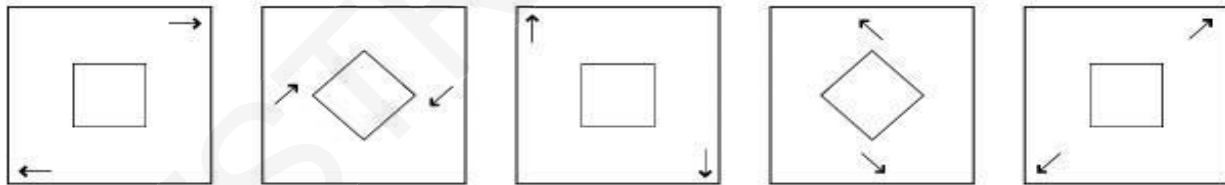
Question 22



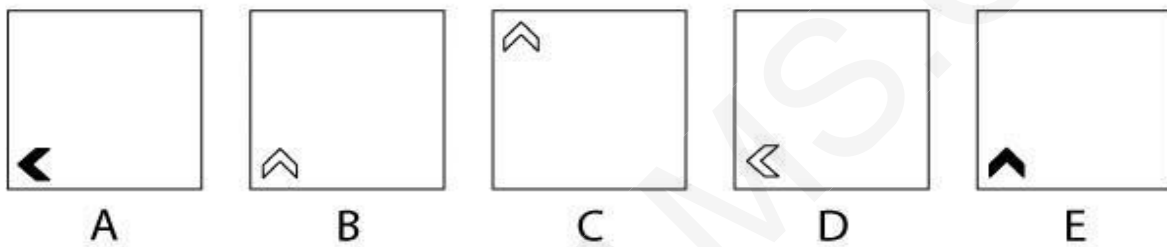
Question 23



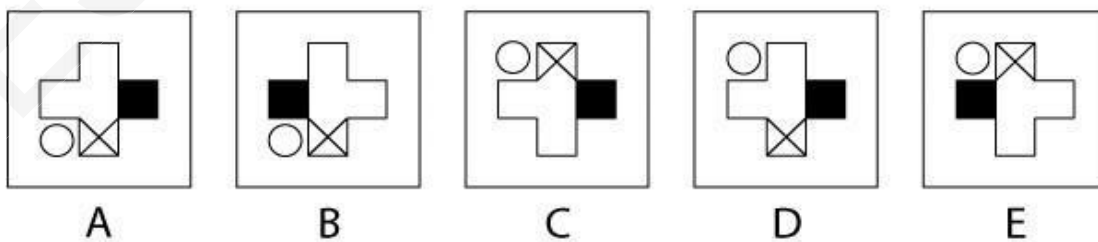
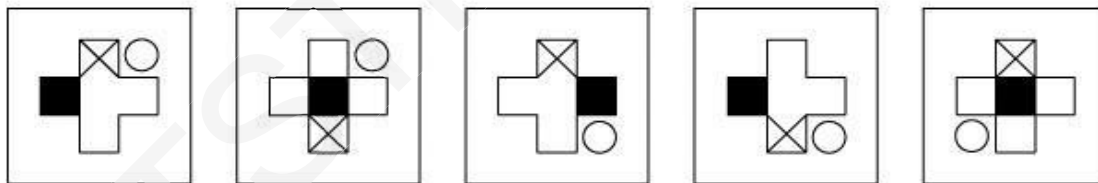
Question 24



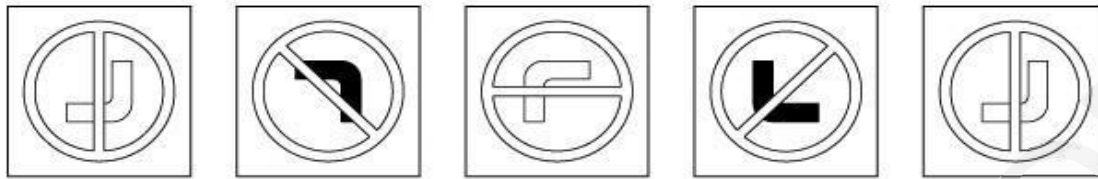
Question 25



Question 26



Question 27



A

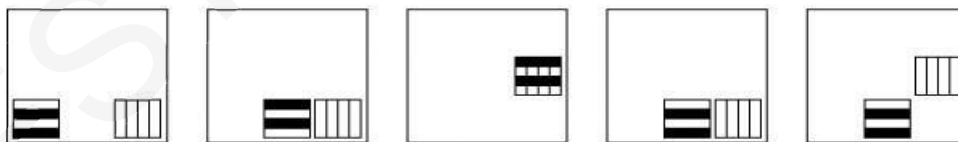
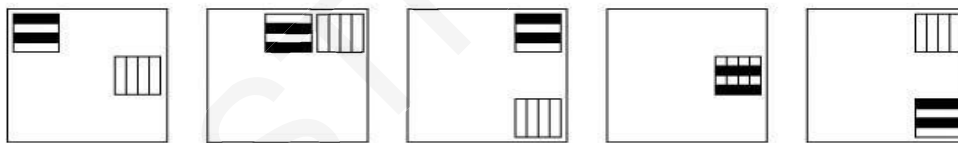
B

C

D

E

Question 28



A

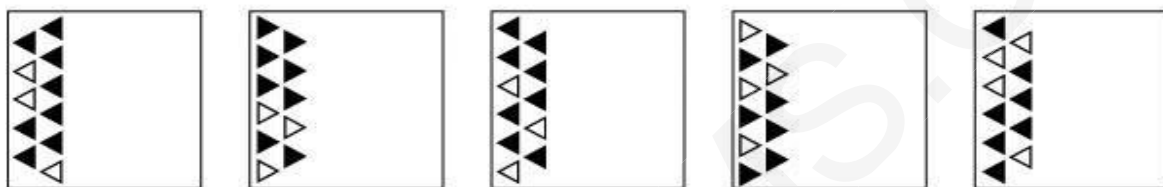
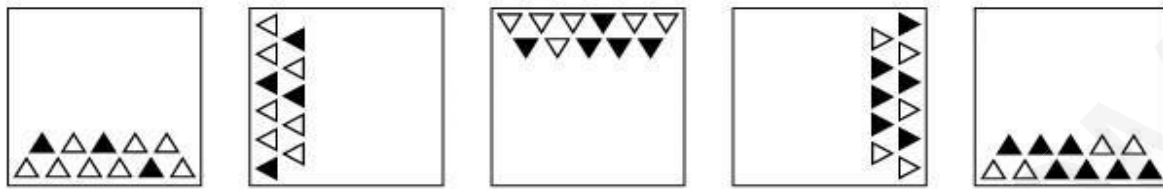
B

C

D

E

Question 29



A

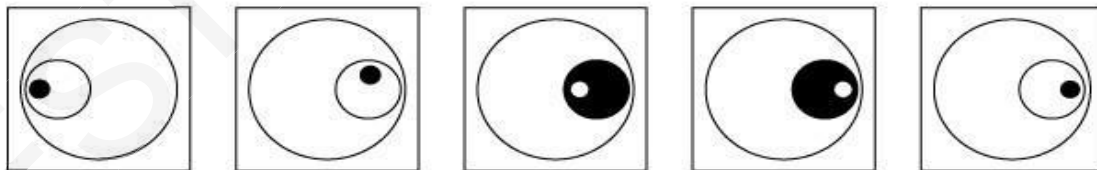
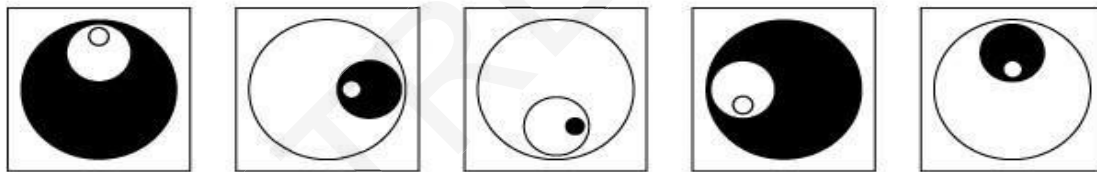
B

C

D

E

Question 30



A

B

C

D

E

Federal Inland Revenue Service (FIR) charges tax rate of 5% on the annual profit of all business in Nigeria. If you missed V.A.T for a year and you are caught you would pay a V.A.T of 7% for the missed year(s) and the present year. Using the table below answer the questions that follow.

Business Organisation	Annual Income 2012 (N)	Annual Expense 2012(N)
Kings Business Centre	500,000	45,000
Shakespeare e-Centre	780,000	70,000
Wisdom Cyber Cafe	550,000	50,000

Question 31

How much V.A.T must Wisdom Cyber Café pay to FIRS for the year 2012(In Naira)?

- A. 22,000
- B. 23,000
- C. 24,000
- D. 25,000
- E. 26,000

Question 32

Shakespeare e-centre avoided V.A.T for 2012 but was caught and penalized. How much V.A.T would she pay for 2013, If the Income and Expenses remained the same for both years (in Naira)?

- A. 95,200
- B. 95,400
- C. 95, 600
- D. 96, 700
- E. 99,400

Question 33

The Annual Expenses for Kings Computer reduced by 10% for the year 2013 but the income remained the same. How much V.A.T would King Computer pay 2013(in Naira)?

- A. 22,975
- B. 23,500
- C. 27,750
- D. 28,450
- E. 28,750

Question 34

Kings Computer mistakenly paid a V.A.T of N32,000 for 2012. How much does this value deviate from the accurate V.A.T amount to be paid?

- A. 8,620
- B. 9,000
- C. 9,250
- D. 10,150
- E. 10,250

Question 35

The Annual Income and Experts increases by 10% and 5% respectively for 2 years. What is the V.A.T to be paid for 2014 (In Naira)?

- A. 30,493.75
- B. 33,534.87
- C. 35,675.66
- D. 38,778.77
- E. 39, 927.45

Product code	Non-European stores selling product	Current month's sales (\$)	Price per product unit (\$)
DE45*	14	35,000	175
PU20*	9	20,000	200
AE25	6	13,000	130
PU10**	5	24,000	150
FD24**	7	9,000	180

* Promotional offer = 3 for the price of 2

** Promotional offer = 4 for the price of 3

Product code	European stores selling product	Current month's sales (€)	Price per product unit (€)
DE45	26	21,000	150
PU20	19	30,000	160
AE25	11	24,500	200
PU10	9	18,700	110
FD24	13	14,700	90

Question 36

Which of the products shown had the lowest value of sales per non-European store and which had the highest value of sales per European store?

- A. PU10 (non-European); AE25 (European)
- B. FD24 (non-European); DE45 (European)
- C. FD24 (non-European); AE25 (European)
- D. AE25 (non-European); PU10 (European)
- E. AE25 (non-European); FD24 (European)

Question 37

What is the discrepancy (in \$) between the AE25 price per product unit in non-European stores compared to European stores. Use an exchange rate of 0.80 to the \$.

- A. \$30
- B. \$120
- C. \$130
- D. \$200
- E. \$230

Question 38

This month's combined target for non-European and European sales of AE25 is 40,000. Using an exchange rate of 0.75 to the \$, what is the difference between the sales values shown and this target?

- A. 575
- B. 750
- C. 5,100

- D. 5,750
- E. 7500

Question 39

Combining European and non-European sales, which products generated the highest number of product units sold? Use the non-promotional sales prices shown.

- A. DE45
- B. PU20
- C. AE25
- D. PU10 E. FD24

Question 40

Given that a customer uses the promotional offers shown, put the 5 products sold in non-European stores into order of increasing promotional price per unit (starting with the cheapest).

- A. AE25, PU10, DE45, FD24, PU20
- B. PU10, DE45, PU20, AE25, FD24
- C. PU10, DE45, AE25, PU20, FD24
- D. DE45, PU10, PU20, AE25, FD24
- E. PU10, DE45, PU20, FD24, AE25

Number of Employees					
Parent Company's 5 subsidiary companies	2005	2006	2007	2008	2009
Subsidiary 1	1,538	1,584	1,573	1,585	1,614
Subsidiary 2	1,107	1,084	1,060	1,068	962
Subsidiary 3	1,340	1,384	1,393	1,398	1,412
Subsidiary 4	1,505	1,495	1,528	1,548	1,583
Subsidiary 5	1,010	980	946	997	1,029
Parent Company: Employees working part-time (%)	12.0	8.1	8.0	5.4	5.0

Note: the entire workforce of the parent company comprises only the employees of its five subsidiary companies

Question 41

Between which three years was there an average of 1,553 employees for one of the Subsidiary Companies?

- A. 2005-2007 Subsidiary 1
- B. 2006-2008 Subsidiary 1
- C. 2007-2009 Subsidiary 4
- D. 2007-2009 Subsidiary 1
- E. None of these

Question 42.

In 2008 subsidiary company 4 comprised 2 regions with double the number of employees in one region compared to the other. If the ratio of male: female Employees in the smaller region was 1:1.15, what was this region's number of male employees?

- A. 240
- B. 828
- C. 414
- D. 394
- E. 360

Question 43

1 in 15 of the parent company's part-time employees were managers in 2005 and 1 in 13 part-time employees were managers in 2007. What was the difference in the number of part-time managers in 2005 compared to 2007?

- A. 14 less
- B. 12 more
- C. 12 less
- D. 13 more
- E. Cannot Say

Question 44.

What % of the Parent Company's total employees worked for Subsidiary 5 in 2006 (to the nearest whole %)?

- A. 12%
- B. 10%
- C. 18%
- D. 15%
- E. 9%

Question 45.

In 2009 what was the absolute difference between the Parent Company's full-time employees and part-time employees (if Number of employees = Full-time employees + part-time employees)?

- A. 6,270
- B. 90
- C. 4,733
- D. 6,600
- E. 5,940

	2009 {\$million}	2008 {\$million}	2007 {\$million}
Assets at end financial year			
Liquid Assets	10,214	11,300	10,735
Loans Made	24,600	23,130	21,974
Derivatives	512	540	513
Fixed Assets	614	570	542
Total Assets	35,940	35,540	33,763
Liabilities at end of financial year			
Reserve Liabilities	111.6	124.0	132
Borrowings	1,389.6	1,544.0	1,650
Share Liabilities	1,958.0	1,628.0	1,780
Other Liabilities	41.8	35.0	38
Total liabilities	3,501.0	3,331.0	3,600

Question 46.

What was the approximate fraction of Fixed Assets to Loans Made at the end of the financial year 2009?

- A. 1/40
- B. 1/45
- C. 1/20
- D. 1/60
- E. 1/48

Question 47

Which asset or assets have changed in value by more than 12% from 2007 to 2009?

- A. Liquid Assets, Loans Made
- B. Loans made, Fixed assets
- C. Loans Made
- D. Fixed Assets
- E. Can't tell from data

Question 48

In 2010, Loans made are projected to decrease by an eighth and both Derivatives and Fixed Assets are projected to increase by 5%. What will be the impact on the 2010 Total Assets value (in £million)?

- A. 3,075.70 increase
- B. 3,018.70 decrease
- C. 3,000.00 decrease
- D. 3,095.70 decrease
- E. Can't tell from data

Question 49

Which liability or liabilities have experienced a 10% change in value between 2008 and 2009?

- A. Reserve Liabilities
- B. Borrowings, Reserve Liabilities
- C. Borrowings
- D. Other Liabilities, Borrowings
- E. Other liabilities, Share liabilities

Question 50

What is the ratio of Reserve Liabilities (2008); Reserve Liabilities (2007)?

- A. 132:124
- B. 13:12
- C. 12:13
- D. 31:33
- E. 31:32

Workforce Ability Test 4

Instructions

This Ability test comprises **50 questions**, and you will have **50 minutes** in which to correctly answer as many as you can. Calculators are not permitted for this test, and it is recommended you have some rough paper to work on.

The test comprises of three sections:

1. Verbal Section (20 Questions)
2. Abstract Section (10 Questions)
3. Numerical Section (20 Questions)

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

You may click Back and Next during the test to review or skip questions.

You can submit your test at any time. If the time limit is up before you click submit the test will automatically be submitted with the answers you have selected. It is recommended to keep working until the time limit is up.

Try to find a time and place where you will not be interrupted during the test.

WHEN YOU ARE READY, BEGIN THE TEST.

An effective PR campaign requires precise, clear communication between the client and PR officer. The client should disclose detailed information to the PR officer, including the company's history, goals, and current business plan. It is especially important to disclose any potentially problematic issues. The company should be prepared to dedicate the necessary time and resources of its senior management, as well as sufficient finances, to the campaign.

The perfect PR message will be consistent, with each new approach reinforcing the key objectives of the company. If new developments do arise, the PR officer should be fully briefed as soon as possible. It is essential to keep to a clear schedule, leaving adequate time available for approval of copy. Seizing opportunities when they arise is key to the success of the campaign.

Question 1

The best approach to PR is to be flexible, regularly changing the company's goals to keep the public interested.

True

False

Cannot say

Question 2

Not disclosing a full company history to the PR officer will result in a failed campaign.

True

False

Cannot say

Question 3

It is recommended to wait before taking advantage of any new opportunities, to make certain they would be of benefit to the campaign.

True

False

Cannot say

A good salesperson should always learn something about the company, and even the individuals, behind the product he or she is selling. Confidence in a product depends in part on confidence in the integrity, competence, and commitment of those who manufacture and distribute that product.

Salespeople should therefore familiarise themselves with the principal personalities behind a company, gaining an understanding of its personnel structure and the functions, duties, and experience of key individuals within the business. It is also useful to know something of the history and development of the company, as well as being aware of its present reputation, and to be familiar with the company's particular practices and policies. As well as providing a more thorough knowledge of the product, this information can help to form the basis of an effective sales pitch.

Question 4

Knowledge of a company's reputation is not useful for salespeople.

True

False

Cannot say

Question 5

The personal traits and abilities of a company's personnel can influence the confidence people have in their product.

True

False

Cannot say

Question 6

It is helpful to have knowledge of the background, policies and reputation of a company when developing an effective sales pitch.

True

False

Cannot say

Levels of passive surveillance have increased recently. For example, many companies monitor their employees' use of the Internet or of any campaign group activities that may have operational implications. State surveillance now processes huge amounts of information that is collected from a variety of sources to produce profiles of individuals and groups. There are now reportedly more closed-circuit television (CCTV) cameras per head of the UK population than any other country in the world. Such a rapid expansion of CCTV surveillance in particular has raised questions about whether this is economically justifiable, whether one's right to confidentiality is compromised and whether the public are in support of it. In public places it is harder to argue that video surveillance is an invasion of privacy. The sheer presence of CCTV cameras should deter some criminals when they know that police officers are surveying their actions. However, some criminologists claim that criminal activity is simply diverted elsewhere. CCTV footage may offer unbiased court evidence and so contribute towards keeping many criminals off the streets, but footage needs to be stored securely – even if most of what is filmed does not get to be seen.

Question 7

CCTV surveillance is an invasion of privacy.

True

False

Cannot say

Question 8

Public security, CCTV costs and an individual's right to privacy are three factors raised within the passage.

True

False

Cannot say

Question 9

It is difficult to justify CCTV surveillance if most of the footage remains unseen.

True

False

Cannot say

Question 10

The public's main concerns about increases in surveillance have been around CCTV.

True

False

Cannot say

Question 11

Corporal punishment is still used in some schools as a deterrent to undisciplined student

A. Remedy

B. Measure

C. Discouragement

D. Prevention

E. Hindrance

Question 12

On crossing the bridge, the commander ordered it to be burnt, telling his soldiers that they have crossed the Rubicon

A. Reached a point of no return

B. Attained a commendable fit

C. Excelled in the war

D. Gotten to an end point

E. Passed their boundary

Question 13

I am sure you didn't know that the lady is light-fingered. This means that the Lady is

- A. Careless in handling things
- B. Fair-skinned
- C. Prone to stealing
- D. Skillful with her hand
- E. Swift in boxing

Question 14

After the investigation, many of the workers were given their marching orders. This means that the workers

- A. Were dismissed
- B. Were ordered to march
- C. Received fresh instructions about their job
- D. Were given orders similar to the first one
- E. Passing-out letters

Question 15

To drive on through the red light is an infringement of the law

- A. A trespass
- B. An offence
- C. A breach
- D. An invasion
- E. A brute

UK Operations of <i>Gills & Tines Ltd</i>	Full Year ended 31 December (£million)			
--	---	--	--	--

	2009	2008	2007	2006
Income Sources				
Net interest	325.2	309.5	319.7	313.8
Other income	64.2	51.8	52	51.7
Fair value gains	18.0	39.9	29.7	31.1
Costs				
Admin costs	277.8	231	285.9	283.5
Loan impairment costs	15.0	57.8	6.1	5.9
Profit Before Tax	114.6	112.4	109.4	107.2

Question 16

What was the average annual income across the four years shown (to the nearest million)?

- A. £408 million
- B. £407 million
- C. £402 million
- D. £403 million
- E. £404 million

Question 17

Gills & Tines Ltd.'s target has been to increase Profit Before Tax by more than 2% each year. In which year, or years, has this been achieved?

- A. 2008
- B. 2007, 2008
- C. 2007
- D. 2007, 2008, 2009
- E. None of the years shown

Question 18

Admin costs are projected to increase by a quarter in 2010 and Net Interest to increase by 2.5%, whilst all other costs and incomes are projected to remain constant. What is the projected Profit Before Tax for 2010 (in £million)?

- A. £53.28 million
- B. £69.45 million
- C. £113.2 million
- D. £144.6 million
- E. £118.9 million

Question 19

In which year did the combined Admin Costs and Loan Impairment Costs decrease in value?

- A. 2006
- B. 2007
- C. 2008
- D. 2009
- E. Cannot Say

Question 20

If corporation tax of 21% was applied each year to the *Profit Before Tax*, what was the average net profit across 2006-2009?

- A. £110.9 million
- B. £114.6 million
- C. £115.6 million
- D. £86.4 million
- E. £87.6 million

Expenses by Department (£)	Number of staff	Quarter				Annual Expense Budget
		1	2	3	4	
HR	3	1,053	1,680	1,305	1,346	6,500
Marketing	6	4,790	3,706	3,652	4,309	16,000
Sales	12	6,825	6,021	5,091	5,245	22,500
IT	5	1,160	1,042	938	956	4,500
Finance	7	4,257	4,830	4,545	4,463	20,000
R&D	4	1,169	1,009	1,755	1,821	6,000

Question 21

Which Department has the highest expense budget per member of staff?

- A. HR
- B. Marketing
- C. Sales
- D. IT E. Finance

Question 22

If the annual expense budget was evenly allocated for each Quarter, which Department is under budget by the highest amount in Quarter 4?

- A. HR
- B. Marketing
- C. Sales
- D. Finance
- E. R&D

Question 23

60% of the Sales Department's budgets for Quarters 1 and 4 was for attending a Sales Conference. The remainder of the budget was split equally between accommodation and travel costs. What were the Sales Department's travel costs for Quarters 1 and 4 combined?

- A. £2,414
- B. £2,500
- C. £3,500
- D. £4,828
- E. Can't tell from the data

Question 24

The Finance Department has receipts for £14,476 of its annual expenses. What percentage of the Finance Department's annual expenses do not have receipts?

- A. 5%
- B. 10%
- C. 15%
- D. 20%
- E. 25%

Question 25

If the percentage changes in expenses that each Department exhibited between Quarters 3-4 continued into the first quarter of the next year, what would be that quarter's total expenses (to the nearest £100)?

- A. £17,100
- B. £19,100
- C. £19,600
- D. £20,600
- E. None of these

Question 26

Judy is now twice as old as Adam but 6 years ago she was 5 times as old as he was. How old is Judy now?

- A. 10
- B. 16
- C. 20
- D. 24
- E. 32

Question 27

Sharon read 24 pages of her book in 15 minutes. At this rate, how many pages can she read in 40 minutes?

- A. 64
- B. 66
- C. 72
- D. 74
- E. 76

Question 28

If 4 boys can shovel a driveway in 2 hours, how many minutes will 5 boys take to do the job?

- A. 86
- B. 96
- C. 106
- D. 116
- E. 126

Question 29

Of the 410 students at Kennedy High School, 240 study Spanish and 180 study French. If 25 students study neither language, how many students study both?

- A. 25
- B. 30
- C. 35
- D. 40
- E. 45

Question 30

Brian gave 20% of his baseball cards to Scott and 15% to Adam. If he still had 520 cards, how many did he have originally?

- A. 720
- B. 750
- C. 780
- D. 800
- E. 840

Question 31

Mr. Peter went to the withdrawal counter to withdraw, the Banker at the counter on receiving his slip wrote on it D.A.R. What is D.A.R in banking tenants?

- A. Depositor's Attention Required
- B. Direct Attention Required
- C. Delayed Access Remittances
- D. Deduct Applied Rate
- E. Drawer's Attention Required

Question 32

The Governor of Central Bank of Nigeria, Mallam Sanusi Lamido Sanusi resumed office at what date?

- A. June 4, 2009
- B. June 14, 2009
- C. July 4, 2009
- D. July 14, 2009
- E. August 14, 2009

Question 33

Capitalisation of the Banking sector resulted to the reduction of the total number of operating commercial banks from what number to 24

- A. 87
- B. 88
- C. 89
- D. 98
- E. 99

Question 34

Nigeria Foreign Exchange Reserve Value fell to what range in April/June 2013 before it was seriously looked into

- A. \$56.40 - \$52.60Billion
- B. \$46.40 - \$44.60 Billion
- C. \$44.60 - \$42.40 Billion
- D. \$42.40 - \$40.60 Billion
- E. \$36.93 - \$36.40 Billion

Question 35

How many litres make a barrel of crude oil?

- A. 159 Litres
- B. 155 Litres
- C. 150 Litres
- D. 148 Litres
- E. 145 Litres

THE NEXT 15 QUESTIONS DEAL WITH CRITICAL REASONING:

Question 36

Olu runs faster than Kunle, Kunle runs faster than Tayo, Simbi runs faster than Tayo. Which of the options would be right

- A. Olu runs faster than Simbi
- B. Tayo runs faster than Olu
- C. Kunle and Simbi run at the same speed
- D. Simbi is the fastest runner
- E. Kunle has two running speeds

Question 37

Mary: Mr Shola's children are not okay because they have sickle cell anemia

Martha: No, Mr Shola's children are okay

If anybody that has sickle cell anemia is considered as not being okay, which of the option would be correct

- A. Mary is correct because she sounds clearer
- B. Martha is correct because she is succinct
- C. Neither of them is correct
- D. We cannot say for sure without further information
- E. Both of them are correct based on their view

Question 38

If there is an oil-supply disruption resulting in higher international oil prices, domestic oil prices in open-market countries such as the United States will rise as well, whether such countries import all or none of their oil. If the statement in the passage concerning oil-supply disruptions is true,

which of the following policies in an open-market nation is most likely to reduce the long-term economic impact on that nation of sharp and unexpected increases in international oil prices?

- A. Maintaining the quantity of oil imported at constant yearly levels
- B. Increasing the number of oil tankers in its fleet
- C. Suspending diplomatic relations with major oil-producing nations
- D. Decreasing oil consumption through conservation
- E. Decreasing domestic production of oil

Question 39

Which of the following best completes the passage below?

People buy prestige when they buy a premium product. They want to be associated with something special. Mass-marketing techniques and price reduction strategies should not be used because_____.

- A. Affluent purchasers currently represent a shrinking portion of the population of all purchasers
- B. Continued sales depend directly on the maintenance of an aura of exclusivity
- C. Purchasers of premium products are concerned with the quality as well as with the price of the products
- D. Expansion of the market niche to include a broader spectrum of consumers will increase profits
- E. Manufacturing a premium brand is not necessarily more costly than manufacturing a standard brand of the same product

Question 40

When limitations were in effect on nuclear-arms testing, people tended to save more of their money, but when nuclear-arms testing increased, people tended to spend more of their money. The perceived threat of nuclear catastrophe, therefore, decreases the willingness of people to postpone consumption for the sake of saving money.

The argument above assumes that

- A. The perceived threat of nuclear catastrophe has increased over the years.
- B. Most people supported the development of nuclear arms
- C. People's perception of the threat of nuclear catastrophe depends on the amount of nuclear-arms testing being done
- D. The people who saved the most money when nuclear-arms testing was limited were the ones who supported such limitations
- E. There are more consumer goods available when nuclear-arms testing increases

Question 41

Increase in the level of high-density lipoprotein (HDL) in the human bloodstream lower bloodstream-cholesterol levels by increasing the body's capacity to rid itself of excess cholesterol. Levels of HDL in the bloodstream of some individuals are significantly increased by a program of regular exercise and weight reduction.

Which of the following can be correctly inferred from the statements above?

- A. Individuals who are underweight do not run any risk of developing high levels of cholesterol in the bloodstream.
- B. Individuals who do not exercise regularly have a high risk of developing high levels of cholesterol in the bloodstream late in life.
- C. Exercise and weight reduction are the most effective methods of lowering bloodstream cholesterol levels in humans.
- D. A program of regular exercise and weight reduction lowers cholesterol levels in the bloodstream of some individuals
- E. Only regular exercise is necessary to decrease cholesterol levels in the bloodstream of individuals of average weight.

Question 43

A proposed ordinance requires the installation in new homes of sprinklers automatically triggered by the presence of a fire. However, a home builder argued that because more than ninety percent of residential fires are extinguished by a household member, residential sprinklers would only marginally decrease property damage caused by residential fires.

Which of the following, if true, would most seriously weaken the home builder's argument?

- A. most individuals have no formal training in how to extinguish fires.
- B. Since new homes are only a tiny percentage of available housing in the city, the new ordinance would be extremely narrow in scope.
- C. The installation of smoke detectors in new residences costs significantly less than the installation of sprinklers.
- D. In the city where the ordinance was proposed, the average time required by the fire department to respond to a fire was less than the national average.
- E. The largest proportion of property damage that results from residential fires is caused by fires that start when no household member is present.

Question 45

Sue: Commercial flights currently contribute more carbon dioxide to the atmosphere in one year than does the whole of Africa. If we want to reduce global warming we need to restrict the number of flights we take.

Dave: Did you know that by taking one inter-continental flight you cause more pollution than you would in twelve months of car travel?

Dave's response to Sue's comment serves to

- A. Reinforce Sue's contention that flights are a major contributor to increased carbon dioxide levels
- B. Add more weight to her contention that we should reduce the number of flights we take
- C. Mitigate the force of her argument by suggesting that there is an alternative approach
- D. Suggest an alternative that will reduce the effect of pollution
- E. Question whether she really understands the severity of global warming

Question 46

It is not unusual to see the ball fall into a black slot on a roulette wheel four times in a row. But for it to fall five or six times in a row into the same color is very unusual. Therefore you can win money by waiting for a run of five of the same color and then betting against that color.

If the roulette wheel in question is a fair wheel, which of the following observations or facts, if it were true, would best reveal a fallacy in the logic?

- A. If there were a reliable way to win at roulette it would be well-known by now.
- B. It is hard for a player to keep track of what went before for the time required.
- C. The probability of getting a particular color decreases with the number of times the color has appeared.
- D. The probability of getting a particular color is always the same no matter what has gone before.
- E. A person who makes money this way once or twice, will carry on to lose that money after a few more times.

Question 47

The committee on sexual discrimination in the workplace has highlighted Supremo Company as a chief offender. Of the twenty senior executives in the firm, only one is a woman. And of the forty junior executives, only five are female.

Supremo could best defend itself against the charges by showing that

- A. Male and female executives at the same level have the same qualifications
- B. They pay the same salary to senior men and senior women
- C. Ten times more men than women apply for jobs with the company
- D. The work pressures and long hours make jobs with the company unattractive to married women
- E. All job applicants who were rejected had fewer qualifications than those Accepted

Question 48

Josh has twenty years of typing experience behind him; therefore, if you are looking for an efficient typist to enter your data into the new system, you need look no further.

The speaker assumes that

- A. Twenty years of practice ensures typing efficiency
- B. The type of typing required for the new system is identical to what Josh has been doing
- C. Josh's job profile is the best that the new employer is going to get
- D. Josh is an outstandingly fast and accurate typist
- E. Josh will fit well into the new office

Question 49

It has been suggested that long-term prisoners, on release from jail, be given a reasonable state pension to reduce the likelihood of their resorting to crime. Most people instinctively reject the suggestion as they feel it would be like rewarding criminal activity.

The supporters of the prisoners' pension scheme have criticized those who reject this possibility, by claiming that for the critics.....

Which of the following is the most logical completion of the sentence above?

- A. emotion is more important than justice
- B. punishment for criminals is more important than crime prevention
- C. crime prevention is not an important issue
- D. money has too high a value
- E. the law should not be concerned with what happens after jail

Question 50

Recent studies have highlighted the harmful effects of additives in food (colors, preservatives, flavor enhancers etc.). There are no synthetic substances in the foods we produce at Munchon Foods – we use only natural ingredients. Hence you can be sure you are safeguarding your family's health when you buy our products.

Which of the following, if true, would most weaken the contention of Munchon Foods?

- A. Some synthetic substances are not harmful
- B. Some natural substances found in foods can be harmful
- C. Food without additives is unlikely to taste good
- D. Munchon Foods produces only breakfast cereals
- E. Without preservatives some foods could cause harm

Workforce Ability Test 5

Instructions

This Ability test comprises **50 questions**, and you will have **50 minutes** in which to correctly answer as many as you can. Calculators are not permitted for this test, and it is recommended you have some rough paper to work on.

The test comprises of three sections:

1. Verbal Section (20 Questions)
2. Abstract Section (10 Questions)
3. Numerical Section (20 Questions)

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

You may click Back and Next during the test to review or skip questions.

You can submit your test at any time. If the time limit is up before you click submit the test will automatically be submitted with the answers you have selected. It is recommended to keep working until the time limit is up.

Try to find a time and place where you will not be interrupted during the test.

WHEN YOU ARE READY, BEGIN THE TEST.

The European Space Agency (ESA) is the body which decides the scope and direction of European space initiatives. It is funded by its participating states, currently 18 in number. Each state contributes funding according to its own economic strength. The ESA controls the funding of existing activities such as the Planar rocket and space station projects but is also responsible for the initiation of new projects like the next generation of weather satellites. Some of the ESA projects are compulsory but others are not, in which case member states are free to choose whether they become involved. There is a direct correlation between the amount of money that a member state agrees to invest in a programme and the amount of benefit it can expect in return through contracts awarded to its domestic space industry. ESA directors are keen to maintain a high level of funding from its member states even in times of global economic downturn since they believe that a longer-term view is needed to preserve the reputation of European space technology.

Question 1

Efforts toward the Planar rocket have not yet begun.

True

False

Cannot say

Question 2

Financial support provided to the ESA is proportional to each member state's gross domestic product.

True

False

Cannot say

Domestic product (GDP) is not definitely the same as "economic strength".

The phrase "economic strength" could mean many things linked to money or reserves but since the passage does not tell us explicitly that financial support is linked to GDP, we cannot say for sure.

The other sticking point is the possible difference between "according to" and "proportional to". These are not directly comparable terms and so again means we cannot say for sure without further information.

Question 3

ESA member states are obliged to contribute to some of the projects managed by the ESA.

True

False

Cannot say

Some commentators argue that in times of global economic uncertainty governments should be boosting flagging economies by investing in major infrastructure projects. Governments should grasp the opportunities presented to tackle global climate change, at the same time as stimulating the economy, by using this public sector investment to move towards a new low-carbon economy. Investment is needed in low-carbon (popularly referred to as „green“) projects like renewable energy generation, adapting buildings to be more energy efficient, improving transport networks and even building pipelines to carry captured CO₂ to undersea storage facilities. No country is untouched by the effects of climate change and everyone acknowledges that the political will has to be found if we are to see any real changes.

Question 4 Government investment in green infrastructure projects will promote economic growth.

True

False

Cannot say

Question 5

Many people anticipate that a flagging economy will benefit green Projects

True

False

Cannot say

Question 6

Some countries are not yet affected by climate change.

True

False

Cannot say

Outsourcing – purchasing services from an external supplier rather than performing the work internally – is a popular but politically sensitive means of cutting costs. There has been an increasing use of third parties for HR functions, such as managing payroll and other employee data, and for traditional Finance functions, such as invoice services. The manufacture of goods has even become part of this trend; though the design function is typically kept in-house. Third party call centre operatives can offer customer service expertise that may be more expensive to provide in-house.

“Offshoring”, when functions are moved abroad, often to India or China, where the average wage is considerably lower raises job protection issues. The potential profits from outsourcing operations encourage underdeveloped countries to invest in the necessary educational infrastructure and skills training that are required to support such business. Still, higher corporate profits may be seen to be at the expense of low-wage economies, and the cost benefits are not always passed on to the consumer. Additionally the consumer may not benefit from an improved quality of customer service. Outsourcing decreases prices in another way – the competitive marketplace in which service providers companies operate gets squeezed.

Question 7

Offshoring is synonymous with outsourcing.

True

False

Cannot say

Question 8

Low wage countries may need to enhance their infrastructure to attract outsourcing contracts.

True

False

Cannot say

Question 9

Outsourcing providers compete aggressively for client contracts.

True

False

Cannot say

Question 10

The outsourcing trend has led to a reduction in the cost of consumer goods.

True

False

Cannot say

Question 11

Her approaches cut him to the quick. This means that he

- A. Was made to eat quickly
- B. Was wounded
- C. Was deeply hurt
- D. Began to speak angrily
- E. Was tortured

Question 12

Nonso's father gave him a free hand to run the family business. This means that his Father

- A. Assisted him freely
- B. Allowed him to make his own decisions
- C. Made him sole owner of the business
- D. Allowed him freedom of movement in the premises
- E. Made him to leave the business

Question 13

The lady swallowed the whole story hook, line and sinker. This means that the lady

- A. Totally delivered the story
- B. Totally believed the story
- C. Had her doubts about the story
- D. Thoroughly enjoyed the story
- E. Totally disbelieved the story

Question 14

The government has approved a new salary structure as an incentive for workers

- A. A reward
- B. An encouragement
- C. A package
- D. An advance
- E. A promise

Question 15

She was reprimanded by her boss for negligence

- A. Sacked
- B. Rebuked
- C. Punished
- D. Surcharged
- E. Charged

£	Jan	Feb	March	April	May
Total sales	136,000	135,000	136,500	156,000	145,000
Operating expenses	61,000	63,000	65,000	50,000	55,000
Income	£75,000	£72,000	£71,500	£106,000	£90,000
Current assets	66,500	63,000	65,000	68,000	66,000
Property assets	36,000	35,500	36,000	38,000	36,500
Fixed assets	38,000	34,000	32,000	45,000	40,000
Total assets	£140,500	£132,500	£133,000	£151,000	£142,500
Liabilities	34,400	35,600	33,000	35,000	33,500

Working Capital to Total Assets ratio = (Current Assets – Liabilities) / Total Assets

Question 16

Which month has the lowest asset turnover value? (Use the formula
 $\text{Asset Turnover} = \text{Total Sales} / \text{Fixed Assets}$)

- A. January
- B. February
- C. March
- D. April
- E. May

Question 17

Compared to May's figures, Total sales for June show an increase of 8% and Operating expenses show a decrease of 7%. What is June's Income?

- A. £105,450
- B. £95,450
- C. £85,450
- D. £75,450
- E. Can't tell from the data

Question 18

Which month has the highest Working capital to Total assets ratio?

- A. January
- B. February
- C. March
- D. April
- E. May

Question 19

If the average value of Total assets between the months of April to June is £150,000, what is the value of Total assets in June?

- A. £154,500
- B. £155,000
- C. £155,500
- D. £156,000
- E. £156,500

Question 20

If the average monthly sales for the first five months of the year was the same for the months of June to December, what was the total annual sales?

- A. £1,500,400
- B. £1,600,400
- C. £1,700,400
- D. £1,800,400
- E. £1,900,400

	COST			
Laptop model	Manufacturing Cost (£)	Design Cost (£)	UK Price (£)	Sale price as fraction of normal UK price
Adelphi	165	60	400	1/2
Adele	140	90	350	3/4
Faze	120	60	380	2/5
Stunn	145	115	420	1/2
Brete	195	130	650	2/3

Question 21

For which laptop, or laptops, is the difference between the manufacturing cost and the design cost less than 20% of the manufacturing cost?

- A. Brete
- B. Stunn and Adelphi
- C. Adelphi
- D. Stunn
- E. None of these

Question 22

Put the laptop models in order of increasing mark-up (Mark-up = Price – Costs).

- A. Adele, Adelphi, Stunn, Faze, Brete
- B. Adele, Stunn, Brete, Adelphi, Faze
- C. Adele, Stunn, Adelphi, Faze, Brete
- D. Stunn, Adele, Adelphi, Brete, Faze
- E. Adele, Stunn, Adelphi, Brete, Faze

Question 23

If the same number of each model was sold last month and total sales were £220,000, how many of each model were sold?

- A. 200
- B. 2510
- C 100
- D 2150
- E Cannot Say

Question 24

Which of the following would generate the highest total amount at the sale prices shown?

- A. 75 Adele laptops on sale
- B. 150 Adele laptops at a further 60% reduction to the sale price
- C. 50 Faze and 50 Stunn laptops on sale
- D. 45 Brete laptops on sale E. 90 Stunn laptops on sale

Question 25

If the sale price for a Faze laptop is \$182.40 in the United States and 255.36 Euros in France, what is the sale price ratio for UK:US:France? (Use exchange rates of 1.2 Euros to the £; and 1.5\$ to the £).

- A. 152:121:212
- B 7:6:9
- C. 5:4:7
- D. 4:5:7
- E 152:122:213

Question 26

Judy is now twice as old as Adam but 6 years ago she was 5 times as old as he was. How old is Judy now?

- A. 10
- B. 16
- C. 20
- D. 24
- E. 32

Question 27

If 25 students took an exam and 4 of them failed, what percent of them passed?

- A. 84
- B. 88
- C. 90
- D. 100
- E. 102

Question 28

The price of a can of soup was increased by 20%. How many cans can be purchased for the amount of money that used to buy 300 cans?

- A. 200
- B. 240
- C. 250
- D. 300
- E. 350

Question 29

A hospital has enough pills on hand to treat 10 patients for 14 days. How long will the pills last if there are 35 patients?

- A. 4
- B. 5
- C. 6
- D. 7
- E. 8

Question 30

John can read 72 pages per hour. At this rate, how many pages can he read in 72 minutes

- A. 68.4
- B. 86.4
- C. 88.4
- D. 89.2
- E. 92.4

Question 31

A banking institution that avoids making interest from its customers is the

- A. Islamic Bank
- B. Arabic Bank
- C. Central Bank
- D. Regional Bank
- E. Microfinance Bank

Question 32

A Bank that provides liquidity to the banking System and act as the lender of last resort in the event of crisis is the

- A. Continental Bank
- B. National Bank
- C. World bank
- D. Commercial Bank
- E. Central Bank

Question 33

After the first capitalization screening exercise where 5 banks were found to be insolvent. The CBN improved the banks liquidity by injecting

- A. 620 billions
- B. 500 billions
- C. 420 billions
- D. 300 billions
- E. 220 billions

Question 34

Dr J.O sanusi was the governor CBN which period

- A. 1992 – 1997
- B. 1997 – 2002
- C. 1999 – 2004
- D. 2000 – 2005
- E. 2009 – 2013

Question 35.

Tom was ineligible to vote at the general elections because he was under the age of eighteen, this makes him a

- A. Criminal
- B. Offender of the law
- C. Minor
- D. Major
- E. Convict

Question 3

Families with 2-3 children are more likely to own a cat than are members of any other demographic group. The popular belief that single, old ladies are more likely to be feeding cats than a family, must therefore be false.

There is a problem in the argument because...

(A) The author does not supply any information about demographic groups other than families with 2-3 children.

(B)The author depends on a popular belief rather than documented research. (C) The author does not specify the precise types and ages of cats involved.

- (D) The author fails to point the difference between owning cats and feeding possibly stray cats.
- (E) The author might be working for a cat-food factory.

Question 37

Last year, inflation in Canada stood at 2%, but this year inflation is just 0.7%. However, this downwards trend might stop, and inflation might go back up next year.

Which of the following, if true, most strengthens the conclusion?

- (A) Inflation figures are calculated using a sample of economic data, and not all the available data.
- (B) Low inflation figures generally last for periods of at least 3 years.
- (C) Government intervention cannot affect the rate of inflation to any significant degree.
- (D) The 0.7% figure represents a 15-year low in Canada.
- (E) The economic crisis, which lowered inflation figures this year, is expected to be over before next year starts

Question 38

All German philosophers, except for Marx, are idealists. From which of the following can the statement above be most properly inferred?

- A. Except for Marx, if someone is an idealist philosopher, then he or she is German.
- B. Marx is the only non-German philosopher who is an idealist.
- C. If a German is an idealist, then he or she is a philosopher, as long as he or she is not Marx.
- D. Marx is not an idealist German philosopher.
- E. Aside from the philosopher Marx, if someone is a German philosopher, then he or she is an idealist.

Question 39

Most people who betray their country through some form of espionage are driven by irrational desires to feel powerful or important, to seek revenge, or even to take risks. If these people were thinking rationally, they would not be involved in such self-destructive behavior.

The argument above rests on which of the following assumptions

- A. Self-destruction is the most frequent result of espionage.
- B. The desire to feel powerful is always irrational.
- C. Those involved in espionage do not have rational reasons for their behavior.
- D. Espionage is rarely a successful way to gain revenge.
- E. Risk-taking is a less frequent motivation for espionage than the desire to feel important

Question 40

Frank: I want to stay out of Professor Caldwell's classes if I can. I've heard she's very strict when it comes to giving out the grades.

Sid: That's not true. My friend Phil took her class last year, and she gave her an A

From the conversation above it can be inferred that Sid interpreted Frank's statement to mean that Professor Caldwell.....

- A. makes unfair demands on her students
- B. Only gives good grades to a few favored students
- C. Has become increasingly strict in her grading over the past year
- D. Gives out fewer good grades than most teachers in the department.
- E. Never gives out grades of A

Question 41

In a laboratory study 160 rabbits in an experimental group were injected with serum D. While 160 rabbits in a control group were injected with a harmless sugar solution within two weeks, 39% of the experimental group rabbits had contracted jungle fever, a highly contagious and usually fatal disease.

Therefore, jungle fever must be caused by some substance similar to the substance found in Serum D.

The above argument would most greatly strengthened if it were shown that

- A. The normal rate of jungle fever among rabbits is less than 0.01%
- B. 40% of the rabbits in the control group had also contracted jungle fever within two weeks
- C. Serum D contains substances extracted from the root of a certain poisonous jungle wildflower
- D. The blood of jungle fever victims invariably contains a high level of a certain toxic substance also found in serum D.
- E. Nearly all the rabbits who contracted jungle fever died within two days of the appearance of the first symptoms

Question 42

The high level of violence in children's television programming today has often been cited as an explanation for the increased violence in our society as a whole. And in fact, some recent studies show that the level of TV violence has increased considerably over the past twenty years. However, other studies indicate that the level, while high is only slightly greater than it was twenty years ago.

All of the following, if true, would be useful in explaining the above EXCEPT

- A. Numerous studies of TV violence have been conducted in the past twenty years, and their results were not always in agreement

- B. All those involved in conducting the studies cited had the same perception of what constitutes "violence" in TV programming
- C. Despite their best efforts at impartiality, those who conducted studies of TV violence sometimes allow their preconceived ideas to affect their findings
- D. Many factors other than TV violence have a significance effect on the level of violence in society
- E. The methodology generally used in studies of TV violence has changed considerably over the past twenty years.

Question 43

Prior to the development of the "horseless carriage" around the start of the twentieth century, horses in our cities left tons of unsightly, messy and malodorous manure on our streets. Based on this fact alone there is no question that by any measure, the automobile has been a boon to humankind.

Which of the following, if true, most seriously weakens the argument above?

- A. Air pollution caused by automobile exhaust is less deleterious to health than that caused by horse manure.
- B. In the nineteenth century, almost as many people were killed each year by horse-drawn conveyances as are killed today by automobiles.
- C. In many cities, automobiles traffic has been banned from large downtown area to provide room for pedestrian mails.
- D. Compared to horse- drawn carriages, automobiles are less efficient in terms of the energy required to operate them
- E. Automobiles enable people to travel greater distances in less time than did the horse-drawn conveyances.

Question 44

At the end of the nineteenth century, most Americans lived in houses in rural areas and dogs were by far the most popular type of pet. Today, however, the majority of Americans live in urban apartments and more people keep cats than any other animal.

Which of the following conclusions is most strongly supported by the statements above?

- A. City life is more congenial than country life for people and their pets
- B. Cats are more appropriate as pets for apartment dwellers than are dogs.
- C. Today as compared to the past, more people prefer having cats as pets than dogs
- D. Dogs who live in city apartments are often unhealthy and unhappy
- E. Dogs have decreased in popularity due to city ordinances restricting the maintenance of pets in apartments.

Question 45

MARY: All of the graduates from Midland High School go to State College.

ANN: I don't know. Some of the students at State College come from North Hill High School

Ann's response shows that she has interpreted Mary's remark to mean that

- A. Most of the students from North Hills High School attend State College
- B. None of the students at State college are from Midland High School
- C. Only students from Midland High School attend State College
- D. Midland High School is a better school than North High Hill School
- E. Some Midland High School graduates do not attend college.

Question 46

All students have submitted applications for admission. Some of the applications for admission have not been acted upon, therefore some more student will be accepted. The logic of which of the following is most similar to that of the argument above?

A. Some of the barrels have not yet been loaded on the truck, but all of the apples have been put into barrels. So, some more apples will be loaded onto the truck.

B. All students who received passing marks were juniors. X received a passing mark.

Therefore, X is a junior

C. Some chemicals will react with glass bottles, but not with plastic bottles. Therefore, those chemicals should be kept in plastic bottles and not glass ones

D. All advertising must be approved by the Council before it is aired. This television spot for a new cola has not yet been approved by the council. Therefore, it is not to be aired until the council make its decision.

E. There are six blue marbles and three red marbles in this jar. Therefore, if I blindly pick out seven marbles, there should be two marbles left to pick.

Question 47

Which of the following best completes the passage below?

In a survey of job applicants, two-fifths admitted to being at least a little dishonest. However, the survey may underestimate the proportion of job applicants who are dishonest, because_____.

A. some dishonest people taking the survey might have claimed on the survey to be honest

B. some generally honest people taking the survey might have claimed on the survey to be dishonest

C. some people who claimed on the survey to be at least a little dishonest may be very dishonest

- D. some people who claimed on the survey to be dishonest may have been answering honestly
- E. some people who are not job applicants are probably at least a little dishonest

Question 48

ALI: If an alien species ever visited Earth, it would surely be because they were looking for other intelligent species with whom they could communicate. Since we have not been contacted by aliens, we may conclude that none have ever visited this planet

AMY: Or, perhaps, they did not think human beings intelligent.

How is Amy's response related to Ali's argument?

- A. She misses Ali's point entirely
- B. She attacks Ali personally rather than his reasoning
- C. She point out that Ali made an unwarranted assumption
- D. She ignores the detailed internal development of Ali's logic
- E. She introduces a false analogy

Question 49

I maintain that the best way to solve our company's present financial crisis is to bring out a new line of goods. I challenge anyone who disagrees with this proposed course of action to show that it will not work. A flaw in the preceding argument is that it....

- A. Employs group classifications without regard to individuals
- B. Introduces an analogy which is weak
- C. Attempts to shift the burden of proof to those who would object to the plan
- D. Fails to provide statistical evidence to show that the plan will actually succeed
- E. Relies upon a discredited economic theory

Question 50

- I. Whenever some of the runners are leading off and all of the infielders are playing in, all of the batters attempt to bunt.
- II. Some of the runners are leading off but some of the batters are not attempting to bunt.

Which of the following conclusions can be deduced from the two statements above?

- A. Some of the runners are not leading off
- B. Some of the batters are attempting to bunt
- C. None of the infielders is playing in
- D. All of the infielders are playing in
- E. Some of the infielders are not playing in.

1. Correct answer: A

2. Correct answer: C

3. Correct answer: D

Explanation

Average amount of interest paid by the Company during the given period
= $[(23.4 + 32.5 + 41.6 + 36.4 + 49.4)/5]$ million
= $[(183.3)/5]$ million
= 36.66 million

4. Correct answer: C

Explanation

Required percentage
= $[(3.00 + 2.52 + 3.84 + 3.68 + 3.96) \times 100] / (288 + 342 + 324 + 336 + 420)] \% = [(17 \times 100)/1710] \% \approx 1\%$.

5. Correct answer: C

Explanation

Increase in total expenditure = (total expenditure in 2002) - (total expenditure in 1998)
= $(420 + 142 + 3.96 + 49.4 + 98) - (288 + 98 + 3.00 + 23.4 + 83)$
= $713.36 - 495.4 = 217.96$
Percentage increase = $(217.96 / 495.4) \times 100 = 50\%$ approx.

6. Correct answer: A

Explanation

Total expenditure of the
Company in 2000 = $(324 + 101 + 3.84 + 41.6 + 74)$
million = 544.44 million.

7. Correct answer: B

Explanation

$$\begin{aligned}\text{Required ratio} &= [(83 + 108 + 74 + 88 + 98) / (98 + 112 + 101 + 133 + 142)] = [451 / 586] \\ &= 1/1.3 \\ &= 10/13\end{aligned}$$

8. Correct answer: C

Explanation

$$\begin{aligned}\text{Total candidates who qualified in 1997} &= (720 + 840 + 780 + 950 + 870) \\ &= 4160 \\ \text{Total who qualified in 1998} &= (980 + 1050 + 1020 + 1240 + 940) = 5230 \\ \text{Percentage change} &= ((5230 - 4160) / 4160) * 100 = 25.7\% \text{ increase}\end{aligned}$$

9. Correct answer: C

Explanation

$$\begin{aligned}\text{Required average} &= (8100 + 9500 + 8700 + 9700 + 8950) / 5 \\ &= 44950 / 5 \\ &= 8990\end{aligned}$$

10. Correct answer: D

Explanation

The percentages of candidates qualified to candidates who appeared from State P during different years are:

$$\text{For 1997: } [(780 \times 100) / 6400] \% = 12.19\%.$$

$$\text{For 1998: } [(1020 \times 100) / 8800] \% = 11.59\%.$$

$$\text{For 1999: } [(890 \times 100) / 7800] \% = 11.41\%.$$

$$\text{For 2000: } [(1010 \times 100) / 8750] \% = 11.54\%.$$

$$\text{For 2001: } [(1250 \times 100) / 9750] \% = 12.82\%.$$

Therefore Maximum percentage is for the year 2001

11. Correct answer: D

Explanation

Required percentage = (Total number who qualified / Total number who appeared) *

$$100 = \frac{[(840 + 1050 + 920 + 980 + 1020) \times 100]}{(7500 + 9200 + 8450 + 9200 + 8800)} \% = \frac{(4810 \times 100)}{43150} \% = 11.15\%$$

12. Correct answer: B

Explanation

$$\text{Required percentage} = \frac{[(850 + 920 + 890 + 980 + 1350) \times 100]}{(7400 + 8450 + 7800 + 8700 + 9800)} \% = \frac{(4990 \times 100)}{42150} \% = 11.84\%$$

13. Correct answer: A

Explanation

$$\text{Total number who qualified in 1998} = 980 + 1050 + 1020 + 1240 + 940 = 5230$$

$$\text{Number of qualified candidates from States P \& Q in 1998} = 1020 + 1240 = 2260$$

$$\text{Required percentage} = (2260/5230) \times 100 = 43.2\%$$

$$\% \text{Profit} = \frac{\text{income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

14. Correct answer: D

**Explanati
on**

Let the expenditure in 1996 = x .

Also, let the incomes in 1996 and 1999 be i and j respectively.

Then, for the year 1996, we have:

$$55 = ((i - x) / x) * 100 \Rightarrow (55/100) = (i/x) - 1 \Rightarrow i$$

$$= 155x/100 \dots (i) \text{ for 1999, we have:}$$

$$70 = ((j - x) / x) * 100 \Rightarrow (70/100) = (j/x) - 1$$

$$\Rightarrow j = 170x/100 \dots (ii) \text{ From (i) and (ii), we get:}$$

$$i/j = 155/170 \approx 0.91 \approx 9 : 10$$

15. Correct answer: C

Explanation

Let the expenditure in 1998 be x million dollars.

$$\text{Then, } 65 = (1/x)(264 - x) * 100$$

$$\Rightarrow x = (264 * 100) / 165 = 160.$$

Therefore Expenditure in 1998 = \$160 million.

16. Correct answer: D

Explanation

The line-graph gives the comparison of percent profit for different years but comparison of the expenditures is not possible without more data.

Therefore, the year with minimum expenditure cannot be determined

17. Correct answer: D

Explanation

From the line-graph we obtain information about the percentage profit only. To find the profit in 2000 we must have the data for the income or expenditure in 2000.

Therefore, the profit for 2000 cannot be determined

18. Correct answer: B

Explanation

Average percent profit earned for the given years

$$= (1/6) * (40 + 55 + 45 + 65 + 70 + 60) = 335/6$$

19. Correct answer: B

Explanation

It is given that: % Profit = [(Income - Expenditure) / Expenditure] * 100

$$\Rightarrow [\% \text{ Profit} / 100] = [\text{Income} / \text{Expenditure}] - 1 \Rightarrow$$

$$\text{Income/Expenditure} = [\% \text{ Profit} / 100] + 1.$$

From this it is clear that the ratio of income to expenditure is minimum for the year in which the % Profit has the minimum value.

Since, out of given years (i.e., out of 1996, 1997, 1998, 1999 and 2000), the Company has the minimum % profit in the year 1997.

So the minimum ratio of income to expenditure is in the year 1997.

20. Correct answer: B

Explanation

No computation is really necessary here. The answer to this question would correspond to the biggest drop in the percentage profit. Clearly, this occurred in 1997.

You can also arrive at same answer by computation as below, albeit at the expense of valuable time:

The ratio of percentage profit earned to that in the previous year, for different years are:

For 1996 = $55/40 = 1.38$;

For 1997 = $45/55 = 0.82$;

For 1998 = $65/45 = 1.44$;

For 1999 = $70/65 = 1.08$;

For 2000 = $60/70 = 0.86$;

Clearly, this ratio is minimum for 1997.

TEST TWO

1. Correct answer: D

Explanation

Let the total population of State R be x million.

Then, population of State R above poverty line

$$= [(100 - 24) \% \text{ of } x] \text{ million}$$

$$= [76x/100] \text{ million}$$

And so, male population of State R above poverty line

$$= [(2/5) (76x/100)] \text{ million}$$

But, it is given that male population of State R above poverty line = 1.9 million

$$\text{Therefore } (2/5) (76x/100) = 1.9 \Rightarrow x = 6.25$$

Therefore Total population of State R = 6.25 million.

2. Correct answer: B

Explanation

Total population of State S = 7 million.

Therefore Population above poverty line

$$= [(100 - 19)$$

% of 7]

million =

(81% of 7)

million =

5.67 million.

And so, the number of females above poverty line in State S = $(3/7) (5.67)$

million = 2.43 million.

3. Correct answer: B

Explanation

Total population of State S = 7 million.

Therefore Population above poverty line

$$= [(100 - 19)$$

% of 7]

million =

(81% of 7)

million =

5.67 million.

And so, the number of females above

poverty line in State S = $(3/7)$ (5.67)

million = 2.43 million.

4. Correct answer: B

Explanation

For State Q:

Male population below poverty line = 2.4 million.

Let the female population below poverty line be x million.

$$\text{Then, } 3: 5 = 2.4: x \Rightarrow x = (5 * 2.4)/3 = 4$$

Therefore Total population below poverty line = $(2.4 + 4) = 6.4$ million.

If N_q be the total population of

State Q, then, 25% of $N_q = 6.4$

million $\Rightarrow N_q = 25.6$ million.

For State T:

Male population below poverty line = 6 million.

Let the female population below poverty line be y million.

$$\text{Then, } 5: 3 = 6: y \Rightarrow y = (3 * 6)/5 = 3.6.$$

Therefore Total population below poverty line = $(6 + 3.6) = 9.6$ million.

If N_t be the total population of

State T, then, 15% of $N_t = 9.6$

million $\Rightarrow N_q = 64$ million.

Thus, required ratio = $N_q/N_t = 25.6/64 = 0.4 = 2$

5. Correct answer: B

Explanation

From the graph:

The amount of exports of Company Y (in million \$) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 80, 40, 60, 60, 80, 100 and 140 respectively.

The amount of exports of Company Z (in million dollars) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 60, 90, 120, 90, 60, 80 and 100 respectively.

Average annual exports of Company Y during the given period = $(80 + 40 + 60 + 60 + 80 + 100 + 140) / 7 = \80 million

Average annual exports of Company Z during the given period = $(60 + 90 + 120 + 90 + 60 + 80 + 100) / 7 = \85.7 million

Therefore, percentage difference = $((85.7 - 80)/80) * 100 = 7.1\%$

6. Correct answer: C

Explanation

Average exports of the three Companies X, Y and Z in 1993 = $[(30 + 80 + 60)/3]$ million = $170/3$ million

Average exports of the three Companies X, Y and Z in 1998 = Rs. $[(50 + 100 + 80)/3]$ million = $230/3$ million.

Difference = $[(230/3) - (170/3)]$ million = \$20 million

7. Correct answer: C

Explanation

From the graph, exports from Company X was higher than that from Company Z in 1997 & 1999.

8. Correct answer: D

Explanation

Total exports of the three Companies X, Y and Z together, during various years are:

In 1993 = $(30 + 80 + 60) = \$170$ million.

In 1994 = $(60 + 40 + 90) = \$190$ million.

In 1995 = $(40 + 60 + 120)$

= \$220 million. In 1996 =

$(70 + 60 + 90) = \$220$

million.

In 1997 = $(100 + 80 + 60) = \$240$ million.

In 1998 = $(50 + 100 + 80) = \$230$ million.

In 1999 = $(120 + 140 + 100) = \$360$ million.

Clearly, the total exports of the three Companies X, Y and Z together are same during the years 1995 and 1996

9. Correct answer: D

Explanation

Total exports of the three Companies X, Y and Z together, during various years are:

In 1993 = $(30 + 80 + 60) = \$170$ million.

In 1994 = $(60 + 40 + 90) = \$190$ million.

In 1995 = $(40 + 60 + 120)$

= \$220 million. In 1996 =

$(70 + 60 + 90) = \$220$

million.

In 1997 = $(100 + 80 + 60) = \$240$ million.

In 1998 = $(50 + 100 + 80) = \$230$ million.

In 1999 = $(120 + 140 + 100) = \$360$ million.

Clearly, the total exports of the three Companies X, Y and Z together are same during the years 1995 and 1996

10. Correct answer: B

Explanation

Ratio of imports to exports in the year 1996 = 0.85.

Let the exports in 1996 be x million dollars.

Then, $272/x = 0.85 \Rightarrow x = 272/0.85 = 320$.

Therefore Exports in 1996 = \$320 million.

11. Correct answer: C

Explanation

The imports are minimum proportionate to the exports implies that the ratio of the value of imports to exports has the minimum value.

Now, this ratio has a minimum value 0.35 in 1997, i.e., the imports are minimum proportionate to the exports in 1997.

12. Correct answer: D

Explanation

The graph gives only the ratio of imports to exports for different years. To find the percentage increase in imports from 1997 to 1998, we require more details such as the value of imports or exports during these years.

Hence, the data is inadequate to answer this question.

13. Correct answer: D

Explanation

The exports are more than the imports imply that the ratio of value of imports to exports is less than 1.

Now, this ratio is less than 1 in years 1995, 1996, 1997 and 2000.

Thus, there are four such years.

14. Correct answer: D

Explanation

The ratio of imports to exports for the years 1998 and 1999 are 1.25 and 1.40 respectively.

Let the exports in the year 1998 be x million dollars.

Then, the exports in the year 1999 = $(500 - x)$ million.

Therefore $1.25 = 250/x \Rightarrow x = 250/1.25 = 200$

[Using ratio for 1998] Thus, the exports in the year 1999 = $(500 - 200)$ million = \$300 million.

Let the imports in the year 1999 be y million dollars.

Then, $1.40 = y/300 \Rightarrow y = (300 \times 1.40) = 420$.

Therefore Imports in the year 1999 = \$420 million.

15. Correct answer: A

Explanation

Required difference = $(128000 - 107000) = 21000$.

16. Correct answer: C

Explanation

Total production of Company X from

1997 to 2002 = $119000 + 99000 +$

$141000 + 78000 + 120000 + 159000$

= 716000.

Total production of Company Y from 1997 to 2002 = $139000 + 120000 + 100000 + 128000 + 107000 + 148000 = 742000$.
Difference = $(742000 - 716000) = 26000$

17. Correct answer: A

Explanation

Average number of vehicles manufactured by Company X = $1/6 * (119000 + 99000 + 141000 + 78000 + 120000 + 159000) = 119333$.

18. Correct answer: D

Explanation

No calculation is really necessary here. The separation between the two line-graphs indicate the difference in production.

The line-graphs are farthest apart in year 2000. Therefore, the highest production difference was in year 2000.

You can arrive at same answer by calculation but that would waste precious time

19. Correct answer: B

Explanation

Required percentage = $(128000 / 78000) * 100 \% \approx 164\%$.

20. Correct answer: B

Explanation

Profit percent of Company Y in 1997 = 35.

Let the income of Company Y in 1997 be Rs. x crores.

Then, $35 = ((x - 220) / 220) * 100 \Rightarrow x = 297$.

Therefore Income of Company Y in 1997 = \$297 million.

Test three

1. Correct answer: B

Explanation

The differences between the percentages of candidates qualified to appear for the given pairs of years are:

For 1994 and 1995 =

$$50 - 30 = 20.$$

For 1998 and 1999 = 80 -

$$80 = 0.$$

For 1994 and 1997 = 50 - 30 = 20.

For 1997 and 1998 = 80 - 50 = 30.

For 1999 and 2000 = 80 - 60 = 20.

Thus, the maximum difference is between the years 1997 and 1998.

2. Correct answer: D

Explanation

The graph gives the data for the percentage of candidates qualified to appear and unless the absolute values of number of candidates qualified or candidates appeared is known we cannot compare the absolute values for any two years.

Hence, the data is insufficient to solve this question.

3. Correct answer: C

Explanation

Let the number of candidates who appeared in 1998 be x . Then, 80% of
 $x = 21200 \Rightarrow x = (100 * 21200) / 80$
 $x = 26500$

4. Correct answer: C

Explanation

let the number of candidates who appeared in 1998 be x . Then, 80% of $x = 21200 \Rightarrow x = (100 * 21200) / 80$
 $x = 26500$

5. Correct answer: B

Explanation

The exports are more than imports in those years for which the exports to imports ratio are more than 1. For Company A, such years are 1995, 1996 and 1997.

Thus, during these 3 years, the exports are more than the imports for Company A.

6. Correct answer: B

Explanation

In 1997 for Company A we have: $E/I = 1.75$ i.e., $E = 1.75I$

where E = amount of exports, and I = amount of imports of

Company A in 1997.

Now, the increased imports $I_1 = I + 40\%$ of $I = 1.4I$.

Therefore Required ratio = $E/I_1 = 1.75I / 1.4I = 1.25$

7. Correct answer: D

Explanation

Let the amount of imports of Company A in 1998 be x million dollars.
Then, $237/x = 0.75 \Rightarrow x = 237/0.75 = 316$.

Therefore Amount of imports of Company A in 1998 = \$316 million.

8. Correct answer: B

Explanation

In 1995 for Company A we have:

$$E_A/I_A = 1.75 \dots (i)$$

[Where E_A = amount of exports, I_A = amount of imports of

Company A in 1995] In 1995 for Company B we have:

$$E_B/I_B = 0.75 \dots (ii)$$

[Where E_B = amount of exports, I_B = amount of imports of Company B in 1995]

Also, we have $E_A = 2E_B \dots (iii)$

Substituting $I_A = \$180$ million (given) in (i), we get:

$$E_A = (180 \times 1.75) \text{ million} = \$315 \text{ million.}$$

Using $E_A = 315$ million in (iii), we get:

$$E_B = E_A/2 = 315/2 \text{ million.}$$

Substituting $E_B = 315/2$ million in (ii),

we get: $I_B = E_B/0.75 = 315 / (2 \times$

$0.75)$ million = \$210 million.

i.e., amount of imports of Company B in 1995 = \$210 million.

9. Correct answer: D

Explanation

Number of students in the school in 1999

$$= [\text{Initial strength of the school in 1995}] + [\text{number who joined between 1995 and 1999}] - [\text{number who left between 1995 and 1999}]$$

From the line-graphs:

$$\text{Number who joined between 1995 and 1999} = 350 + 300 + 450 + 500 = 1600$$

$$\text{Number who left between 1995 and 1999} = 250 + 450 + 400 + 350 = 1450$$

$$\text{Therefore Number of students in the school at the beginning of 1999} = 3000 + 1600 - 1450 = 3150$$

10. Correct answer: A

Explanation

The percentage change in the number of students who left the school (compared to the previous year) during various years are:

$$\text{For 1997} = (450 - 250) * 100 / 250 = 80\% \text{ (rise).}$$

$$\text{For 1998} = (450 - 400) * 100 / 450 = 11.11\% \text{ (fall).}$$

$$\text{For 1999} = (400 - 350) * 100 / 400 = 12.5\% \text{ (fall).}$$

$$\text{For 2000} = (450 - 350) * 100 / 350 = 28.57\% \text{ (rise).}$$

$$\text{For 2001} = (450 - 450) * 100 / 450 = 0\%.$$

Clearly, the maximum percentage change happened in 1997.

11. Correct answer: C

Explanation

The numbers of students studying in the school (i.e., strength of the school) in various years:

In 1995 = 3000 (given).

In 1996 = $3000 - 250 + 350 = 3100$.

In 1997 = $3100 - 450 + 300 = 2950$.

In 1998 = $2950 - 400 + 450 = 3000$.

Percentage change in the strength of the school from 1997 to 1998

$= (3000 - 2950) * 100 / 2950 = 1.69\% \approx 1.7\%$ increase.

12. Correct answer: B

Explanation

Referring to the graph:

Number of students in the school in 1998 = 3000

Number of students in the school in 2000 = 3200

Required percentage = $(3000/3200) * 100 = 93.75\%$

13. Correct answer: D

Explanation

From the line graph: The least number of students who joined the school in any given year is 300 (in 1997).

The maximum number of students who left the school in any given year is 450 (also in 1997).

Required ratio = $300/450 = 2:3$

14. Correct answer: D

Explanation

The number of students studying in the school (i.e., strength of the school) in various years are: In 1995 = 3000 (given).

In 1996 = $3000 - 250 + 350 = 3100$.

In 1997 = $3100 - 450 + 300 = 2950$.

In 1998 = $2950 - 400 + 450 = 3000$.

In 1999 = $3000 - 350 + 500 = 3150$.

In 2000 = $3150 - 450$

+ $400 = 3100$. In

2001 = $3100 - 450 +$

$550 = 3200$.

As calculated above, in the years 1996 and 2000 the strength of the school was same i.e., 3100.

15. Correct answer: C

Explanation

The year in which the largest number of students joined the school corresponds to the peak of the line-graph. That is in 2001.

16. Correct answer: A

Explanation

You should first of all calculate the total production of machines for both years.

$$\text{For 1983: } 85 + 60 + 70 + 90 + 85 = 390$$

$$\text{For 1985: } 94 + 71 + 78 + 92 + 95 = 430$$

$$\text{Required fraction} = 430/390 = 1.1$$

17. Correct answer: A

Explanation

The fraction of type V machine production compared to total production for each of the years is as follows:

$$1980: 60/217 = 0.276$$

$$1981: 55/280 = 0.196$$

$$1983: 85/390 = 0.217$$

$$1985: 95/430 = 0.221$$

Clearly, the fraction is highest in 1980.

18. Correct answer: C

Explanation

By visual observation only, you could see the right answer is type III

19. Correct answer: C

Explanation

The increase in each of the years is as follows:

$$1984: 75 - 70 = 5$$

$$1985: 78 - 75 = 3$$

$$1983: 70 - 53 = 17$$

$$1982: 53 - 40 = 13$$

Therefore, the maximum increase occurred in 1983.

20. Correct answer: D

Explanation

$$\text{Total production of machines in 1981} = 80 + 40 + 45 + 60 + 55 = 280$$

$$\text{Total production of machines in 1984} = 90 + 65 + 75 + 100 + 190 = 420$$

$$\text{Percentage increase} = ((420 - 280)/280) * 100 = 50\%$$

Test four

1. Correct answer: D

Explanation

Required percentage
= $\left[\frac{(145 - 108)}{108} \times 100 \right] \% \approx 34\%$.

2. Correct answer: C

Explanation

The total sales (in thousands) of all the seven years for various batteries are:

For 4AH = $75 + 90 + 96 + 105 + 90 + 105 + 115 = 676$

For 7AH = $144 + 126 + 114 + 90 + 75 + 60 + 85 = 694$

For 32AH = $114 + 102 + 75 + 150 + 135 +$

$165 + 160 = 901$ For 35AH = $102 + 84 +$

$105 + 90 + 75 + 45 + 100 = 601$

For 55AH = $108 + 126 + 135 + 75 + 90 + 120 + 145 = 799$.

Clearly, sales are maximum in case of 32AH batteries

3. Correct answer: D

Explanation

Required difference = $[(84 - 45) \times 1000] = 39000$.

4. Correct answer: D

Explanation

The percentages of sales of 4AH batteries to the total sales in different years are:

For 1992

$$= (75 \times 100) / 543 = 13.81\%.$$

$$\text{For 1993} = (90 \times 100) / 528 \% = 17.05\%.$$

$$\text{For 1994} = (96 \times 100) / 525 = 18.29\%.$$

$$\text{For 1995} = (105 \times 100) / 510 = 20.59\%.$$

$$\text{For 1996} = (96 \times 100) / 465 = 19.35\%.$$

$$\text{For 1997} = (105 \times 100) / 495 = 21.21\%.$$

$$\text{For 1998} = (115 \times 100) / 605 = 19.01\%.$$

Clearly, the percentage is highest in 1997.

5. Correct answer: B

Explanation

From the table it is clear that the sales of 7AH batteries have been decreasing continuously from 1992 to 1997.

A school has four sections A, B, C, D of class IX students.

The result of half yearly and annual examinations are shown in the table given below...

6. Correct answer: C

Explanation

Number of students who passed half-yearly exams in the school

$$= (\text{Number of students passed in half-yearly but failed in annual exams})$$

$$+ (\text{Number of students passed in both exams})$$

$$= (6 + 17 + 9 + 15) + (64$$

$$+ 55 + 46 + 76) = 288$$

Also, Number of students who passed annual exams in the school

$$= (\text{Number of students failed in half-yearly but passed in annual exams})$$

$$\begin{aligned}
 &+ (\text{Number of students} \\
 &\text{passed in both exams}) = (14 \\
 &+ 12 + 8 + 13) + (64 + 55 + \\
 &46 + 76) = 288.
 \end{aligned}$$

Since, the number of students passed in half-yearly = the number of students passed in annual exams. Therefore, it can be inferred that both examinations had almost the same difficulty level. Thus Statements (a), (b) and (d) are false and Statement (c) is true

7. Correct answer: C

Explanation

$$\begin{aligned}
 &\text{Number of students who passed half-yearly exams in the school} \\
 &= (\text{Number of students passed in half-yearly but failed in annual exams}) \\
 &+ (\text{Number of students passed in both exams}) \\
 &= (6 + 17 + 9 + 15) + (64 \\
 &+ 55 + 46 + 76) = 288
 \end{aligned}$$

$$\begin{aligned}
 &\text{Also, Number of students who passed annual exams in the school} \\
 &= (\text{Number of students failed in half-yearly but passed in annual exams}) \\
 &+ (\text{Number of students} \\
 &\text{passed in both exams}) = (14 \\
 &+ 12 + 8 + 13) + (64 + 55 + \\
 &46 + 76) = 288.
 \end{aligned}$$

Since, the number of students passed in half-yearly = the number of students passed in annual exams. Therefore, it can be inferred that both examinations had almost the same difficulty level. Thus Statements (a), (b) and (d) are false and Statement (c) is true

8. Correct answer: D

Explanation

Pass percentages in at least one of the two examinations for different sections are:

For Section A $((14 + 6 + 64) \times 100) / (28 + 14 + 6 + 64) = 75\%$

For Section B $((12 + 17 + 55) \times 100) / (23 + 12 + 17 + 55) = 78.5\%$

For Section C $[(8 + 9 + 46) \times 100] / (17 + 8 + 9 + 46) = [63 \times$

$100] = 78.75\%$ For Section D $[(13 + 15 + 76) \times 100] / (27 +$

$13 + 15 + 76) = [104 \times 100] = 79.39\%$ Clearly, the pass

percentage is highest for Section D.

9. Correct answer: A

Explanation

Total number of students passed in annual exams in a section
= [(No. of students failed in half-yearly but passed in annual exams)
+ (No. of students passed in both exams)] in that section

Therefore Success rate in annual exams in Section A
= [(No. of students of Section A passed in annual exams $\times 100$) / Total
number of students in

Section A] %

= $[((14 + 64) \times 100) / (28 + 14 + 6 + 64)] \% = 69.64\%$.

Similarly, success rate in annual exams in:

Section B = $[((12 + 55) \times 100) / (23 + 12 + 17 + 55)] \% = 62.62\%$.

Section C = $[(8 + 46) \times 100] / (17 + 8 + 9 + 46)] \% = 67.5\%$

Section D = $[(13 + 76) \times 100] / (27 + 13 + 15 + 76)] \% = 67.94\%$

Clearly, the success rate in annual examination is highest for Section A.

The following tables shows the number of new employees added to different categories of employees in a company and also the number of employees from these categories who left the company every year since the foundation of the company in 1995.

10. Correct answer: D

Explanation

$$\begin{aligned}\text{Required difference} &= (272 + 240 + 236 + 256 + 288) - (200 + \\ &224 + 248 + 272 + 260) = 88.\end{aligned}$$

11. Correct answer: B

Explanation

$$\begin{aligned}\text{Total number of Peons working in the Company in 1999} \\ &= (820 + 184 + 152 + 196 + 224) - (96 + 88 + 80 + 120) \\ &= 1192\end{aligned}$$

12. Correct answer: A

Explanation

Number of Managers working in the Company:

$$\text{In 1995} = 760.$$

$$\begin{aligned}\text{In 2000} &= (760 + 280 + 179 + 148 + 160 + 193) - (120 + 92 + 88 + 72 \\ &+ 96) = 1252\end{aligned}$$

$$\begin{aligned}\text{Therefore Percentage increase in the number of Managers} &= ((1252 - 760) \times \\ &100) / 760 = 64.74\%\end{aligned}$$

Number of Technicians working in the Company:

$$\text{In 1995} = 1200.$$

$$\begin{aligned}\text{In 2000} &= (1200 + 272 + 240 + 236 + 256 + 288) - (120 + 128 + 96 + \\ &100 + 112) = 1936\end{aligned}$$

$$\begin{aligned}\text{Therefore Percentage increase in the number of Technicians} &= ((1936 - 1200) \\ &\times 100) / 1200 = \\ &61.33\%\end{aligned}$$

Number of Operators working in the Company:

In 1995 = 880.

In 2000 = $(880 + 256 + 240 + 208 + 192 + 248) - (104 + 120 + 100 + 112 + 144) = 1444$.

Therefore Percentage increase in the number of Operators = $((1444 - 880) \times 100) / 880 = 64.09\%$.

Number of Accountants working in the Company:

In 1995 = 1160.

In 2000 = $(1160 + 200 + 224 + 248 + 272 + 260) - (100 + 104 + 96 + 88 + 92) = 1884$. Therefore Percentage increase in the number of Accountants = 62.41% .

Number of Peons working in the Company:

In 1995 = 820.

In 2000 = $(820 + 184 + 152 + 196 + 224 + 200) - (96 + 88 + 80 + 120 + 104) = 1288$. Therefore Percentage increase in the number of Peons = 57.07% .

Clearly, the percentage increase is highest in case of Managers.

13. Correct answer: B

Explanation

Total number of employees of various categories working in the Company in 1997 are:

$$\text{Managers} = (760 + 280 + 179) - (120 + 92) = 1007.$$

$$\text{Technicians} = (1200 + 272 + 240) - (120 + 128) = 1464.$$

$$\text{Operators} = (880 + 256 + 240) - (104 + 120) = 1152.$$

$$\text{Accountants} = (1160 + 200 + 224) - (100 + 104) = 1380.$$

$$\text{Peons} = (820 + 184 + 152) - (96 + 88) = 972.$$

Therefore Pooled average of all the five categories of employees working in the Company in 1997 = $(1007 + 1464 + 1152 + 1380 + 972) / 5 = 1195$.

14. Correct answer: D

Explanation

Let the total population of State R be x million.

Then, population of State R above poverty line

$$= [(100 - 24)\% \text{ of } x] \text{ million}$$

$$= [76x/100] \text{ million}$$

And so, male population of State R above poverty line

$$= [(2/5)(76x/100)] \text{ million}$$

But, it is given that male population of State R above poverty line = 1.9 million

$$\text{Therefore } (2/5)(76x/100) = 1.9 \Rightarrow x = 6.25$$

Therefore Total population of State R = 6.25 million.

15. Correct answer: B

Explanation

Total population of State S = 7 million.
Therefore Population above poverty line
= $[(100 - 19)$
% of 7]
million =
(81% of 7)
million =
5.67 million.

And so, the number of females above
poverty line in State S = $(3/7)$ (5.67)
million = 2.43 million.

16. Correct answer: D

Explanation

Female population below poverty line for State P = 2.1 million
Let the male population below poverty line for State P be x million.
Then, 5: 6 = x: 2.1 $\Rightarrow x = (2.1) (5)/6 = 1.75$ million
Therefore Population below poverty line for State P = $(2.1 + 1.75)$ million =
3.85 million.

Let the population above poverty line for State P be y million.
Since, 35% of the total population of State P is below poverty line, therefore,
65% of the total population of State P is above poverty line i.e., the ratio of
population below poverty line to that above poverty line for State P is 35: 65.
Therefore 35: 65 = 3.85: y $\Rightarrow y = (65) (3.85)/35 = 7.15$ million

17. Correct answer: B

Explanation

For state Q

Male population below poverty line = 2.4 million.

Let the female population below poverty line be x million.

Then, $3 : 5 = 2.4 : x \Rightarrow x = (5 * 2.4)/3 = 4$

Therefore Total population below poverty line = $(2.4 + 4) = 6.4$ million.

If N_q be the total population of

State Q, then, 25% of $N_q = 6.4$

million $\Rightarrow N_q = 25.6$ million.

For State T:

Male population below poverty line = 6 million.

Let the female population below poverty line be y million.

Then, $5 : 3 = 6 : y \Rightarrow y = (3 * 6)/5 = 3.6$.

Therefore Total population below poverty line = $(6 + 3.6) = 9.6$ million.

If N_t be the total population of

State T, then, 15% of $N_t = 9.6$

million $\Rightarrow N_q = 64$ million.

Thus, required ratio = $N_q/N_t = 25.6/64 = 0.4 = 2$

18. Correct answer: B

Explanation

From the graph :

The amount of exports of Company Y (in million \$) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 80, 40, 60, 60, 80, 100 and 140 respectively.

The amount of exports of Company Z (in million dollars) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 60, 90,, 120, 90, 60, 80 and 100 respectively.

19. Correct answer: B

Explanation

From the graph :

The amount of exports of Company Y (in million \$) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 80, 40, 60, 60, 80, 100 and 140 respectively.

The amount of exports of Company Z (in million dollars) in the years 1993, 1994, 1995, 1996, 1997, 1998 and 1999 are 60, 90,, 120, 90, 60, 80 and 100 respectively.

Average annual exports of Company Y during the given period = $(80 + 40 + 60 + 60 + 80 + 100 + 140) / 7 = \80 million

Average annual exports of Company Z during the given period = $(60 + 90 + 120 + 90 + 60 + 80 + 100) / 7 = \85.7 million

Therefore, percentage difference = $((85.7 - 80)/80) * 100 = 7.1\%$

20. Correct answer: C

Explanation

Average exports of the three Companies X, Y and Z in 1993 = $[(30 + 80 + 60)/3]$ million = $170/3$ million

Average exports of the three Companies X, Y and Z in 1998 = Rs. $[(50 + 100 + 80)/3]$ million = $230/3$ million.

Difference = $[(230/3) - (170/3)]$ million = \$20 million

Test five

1. Correct answer: D

Explanation

No of non-US Arts students = $79 + 21 + 6 + 2 + 4 = 112$

No of students in Arts faculty = 1049 (given)

Required percentage = $(112/1049) * 100 = 10.67\% \approx 11\%$

2. Correct answer: B

Explanation

No of students in Engineering faculty = 9% of number of students in the university.

No of students in Arts faculty = 23% No. of students in tech-university

$\Rightarrow 1049 = 0.23$ (No. of students in University)

\therefore No. of students in University = $1049/0.23 = 4560$

So, No of students in Engineering faculty = 9% of number of students in the university.

$= 0.09 * 4560 = 410$

3. Correct answer: B

Explanation

From previous question, number of students in the university = 4560

4. Correct answer: D

Explanation

Total No. of science students = 21% Of 4560 = 957

No. of Asian students studying science = 6% of 957 = 57

6. Correct answer: D

Explanation

We have 40% of 50 = $(40/100) * 50 = 20$.

Therefore required number = Number of students who scored less than 20 marks in aggregate = 100 - Number of students who scored 20 and above marks in aggregate = $100 - 73 = 27$.

7. Correct answer: A

Explanation

60% score in chemistry = $(60/100) * 50 = 30$ marks.

From the table, number of students who scored 30 and above = 21

Required percentage = $(21 / 100 \text{ students}) * 100 = 21\%$

8. Correct answer:

Explanation

We have 60% of 50 = $(60 \times 50)/100 = 30$.

Therefore Required number

= No. of students scoring 30 and above marks in Physics = 32

9. Correct answer: D

Explanation

Required difference = (No. of students scoring 30 and above marks in Chemistry) - (Number of students scoring 30 and above marks in aggregate) = $27 - 21 = 6$.

The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

10. Correct answer: C

Explanation

Aggregate marks obtained by Tarun
= [(65% of 150) + (35% of 130) + (50% of 120)
+ ((77% of 100) + (80% of 60) + (80% of 40)]
= [97.5 + 45.5 + 60 + 77 + 48 + 32]
= 360

The maximum marks (of all the six subjects) = (150 + 130 + 120 + 100 + 60 + 40) = 600.

Therefore Overall percentage of Tarun = $[(360/600) \times 100] \% = 60\%$.

11. Correct answer: A

Explanation

We shall find the overall percentage (for all the seven students) with respect to each subject.

The overall percentage for any subject is equal to the average of percentages obtained by all the seven students since the maximum marks for any subject is the same for all the students.

Therefore, overall percentage for:

(i) Maths

$$= [(90 + 100 + 90 + 80 + 80 + 70 + 65) / 7] \% = 82.14\%.$$

(ii) Chemistry

$$= [(50 + 80 + 60 + 65 + 65 + 75 + 35) / 7] \% = 61.43\%.$$

(iii) Physics

$$= [(90 + 80 + 70 + 80 + 85 + 65 + 50) / 7] \% = 74.29\%.$$

(iv) Geography

$$= [(60 + 40 + 70 + 80 + 95 + 85 + 77) / 7] \% = 72.43\%.$$

(v) History

$$= [(70 + 80 + 90 + 60 + 50 + 40 + 80) / 7] \% = 67.14\%.$$

(vi) Comp. Science

$$= [(80 + 70 + 70 + 60 + 90 + 60 + 80) / 7] \% = 72.86\%.$$

Clearly, the percentage is highest for Maths.

12. Correct answer: B

Explanation

Average marks obtained in Physics by all the seven students

$$= ((90\% \text{ of } 120) + (80\% \text{ of } 120) + (70\% \text{ of } 120) + (80\% \text{ of } 120) + (85\% \text{ of } 120) + (65\% \text{ of } 120) + (50\% \text{ of } 120)) / 7 = 89.14.$$

13. Correct answer: B

Explanation

From the table it is clear that Ada and Kate have 60% or more marks in each of the six subjects

14. Correct answer: D

Explanation

Aggregate marks obtained by Ada
= (90% of 150) + (60% of 130) + (70% of 120) + (70% of 100) + (90% of 60) + (70% of 40) = [135 + 78 + 84 + 70 + 54 + 28]
= 449

15. Correct answer: B

Explanation

Required % = $(100/75) * 100 = 133\%$

16. Correct answer: A

Explanation

Required percentage = $((50 - 25)/25) * 100 = 100\%$

17. Correct answer: D

Explanation

Avg Equity = $(500 + 1000 + 1500)/3 = 1000$

Average sales = $(100 + 200 + 300)/3 = 200$

Required percentage = $((1000 - 200)/200) * 100 = 400\%$

18. Correct answer: B

Explanation

The growth rate between 1991 and 1992 is 100% [i.e. $((200-100)/100)*100$] and between 1992 and 1993 is 50%.

So the statement is false.

19. Correct answer: A

Explanation

Import in 1992 = $(200 \times 50) = 150$

Import in 1991 = $(100 \times 25) = 75$

Required percentage = $(150/75) * 100 = 200\%$

20. Correct answer: D

Explanation

The difference = $180 - 100 = 80 \text{ MW}$

SECTION 2
VERBAL REASONING

SAMPLE TEST ONE

1. **Correct answer: B**
2. **Correct answer: A**
3. **Correct answer: B**
4. **Correct answer: C**
5. **Correct answer: B**
6. **Correct answer: B**
7. **Correct answer: B**
8. **Correct answer: D**
9. **Correct answer: C**
10. **Correct answer: A**
11. **Correct answer: E**
12. **Correct answer: B**

SAMPLE TEST TWO

1. Correct answer: B

2. Correct answer: A

3. Correct answer: A

4. Correct answer: B

5. Correct answer: B

6. Correct answer: C

7. Correct answer: B

8. Correct answer: B

9. Correct answer: B

Explanation

At issue is the need for logical and formal parallelism in a coordinate series. B, the best choice, clearly and correctly uses parallel noun phrases to list three effects of a drop in oil prices: **a lowering of...**, **a rally in ...**, and **a weakening of...**

In place of the correct **lower before/fears**, choice A uses an incorrect participial adjective, **lowering**, that could cause confusion by seeming at first to function as a verb. A also violates parallelism. In C and D, the use of **along with** confuses meaning by making **fears about inflation** an independent effect, not an object of **lowering**. D and E violate parallelism by substituting an awkward gerund clause for the first noun phrase

10. Correct answer: D

Explanation

In choice D, the best answer, the phrase **contemporaries of Harriet Tubman** presents a complete possessive without adding an apostrophe (e.g., **Tubman's**). Choices A, B, and C use a redundant possessive: **contemporaries of Harriet Tubman's**. All choices other than D have errors in verb tense. Because

the sentence describes essentially simultaneous actions completed in the past, the simple past tense forms ***maintained*** and ***had*** are required. Thus, the present tense forms ***has*** and ***maintain*** are incorrect in A, B, and E, as are the present perfect ***have maintained*** in C and the past perfect ***had maintained*** in E

11. Correct answer: A

Explanation

Boats that should be the subject of the sentence. Since the period of time covered began and ended in the past, the verb should be in the simple past tense (***increased***). The adverb ***annually*** fits most logically after the amount of the increases. B, C, D, and E all distort the focus and disrupt the sensible order of ideas. In addition, B, C, and D use incorrect verb tenses to refer to the simple past (***is, have increased, and has occurred***). In C, the expression ***five and ten percent*** makes no sense without the word ***between***. Finally, E is especially clumsy and confused.

12. Answer: E

Explanation

Choice E is best; it best indicates purpose for crossbreeding—partly to acquire. In A, in part that does not grammatically connect the underlined portion to the first part of the sentence (the independent clause). In both A and B, in part is not parallel with and partly in the non-underlined portion. Choice C causes a misreading, suggesting that the steers' acquisition has caused the crossbreeding. D awkwardly and illogically shifts to the passive voice: certain characteristics should be acquired by their steers; the steers, however, are not agents in the acquisition.

SAMPLE TEST THREE

1. Correct answer: C

Explanation

The main challenge in this sentence is to observe the agreement of subject and verb (**the resulting flow pattern... is known...**) despite the distraction of a complex intervening structure containing several plural elements (**with crests and troughs...**). Choices A, B, and D can, therefore, be eliminated because they use an incorrect plural verb form, **are**. Choice E uses the correct verb form, **is**, but it incorrectly introduces a dependent adverbial **although** clause into a prepositional phrase (**with crests ...**). Choice D also makes this error. Such dependent clauses can only occur in the predicates of full clauses. C, the best choice, uses the correct verb form, **is**, and correctly puts the **although** clause inside the predicate of the relative clause (**that... rapidly**).

2. Correct answer: C

Explanation

At issue is a comparison of Auden's language with Merrill's language. Only C, the best choice, uses the elliptical **like Auden's** (**language** being understood), to compare Auden's language with Merrill's language. A, B, and D compare Auden (the person) with Merrill's language. Choice E is awkward and unidiomatic.

3. Correct answer: A

Explanation

A, the best choice, correctly balances the contrasting terms **low** and **high** in parallel form (adjectives in the positive degree). It also makes clear who, exactly, is preparing for the coming school year (**companies**). B uses the plural pronouns **their** and **they** without an appropriately stated referent. C, D, and E violate the parallelism needed for the contrasting terms by making the second term an adjective in the comparative degree (**higher**). Furthermore, the use of **higher** without a stated point of comparison makes it unclear what the expenses are higher than. E also uses the pronoun **their** without an appropriate referent.

4. Correct answer: E

Explanation

Only E, the best choice, clearly states that teratomas consist of tissues such as tooth and bone, and that such tissues are not normally found in the organ with the teratoma. Clear statement of this fact requires the repetition of **tissues** to establish the appositive—**tissues normally found....** Without such repetition, A and B imprecisely state that the **tooth and bone**, as opposed to the **tissues**, are not normally found in the affected organ. Choices B and C alter the meaning with the use of **like**, that is, they suggest that the tissues are not tooth and bone, but only **like** them. The confused syntax of D states that **their composition**, not the tissues, **is found in the organ....**

5. Correct answer: C

Explanation

The sentence contains a relative clause (**that...**) indicating, in its compound predicate, two effects of the immigration legislation: (it) **would grant x and (would) penalize y**. The auxiliary **would** may be omitted before **penalize**, but the main verbs must remain parallel. Only C, the best choice, observes these conditions. A and B produce incoherent, fused sentences in which the two main clauses are not parallel. Furthermore, in A the referent of **they** is unclear, and in B the statement **hiring illegal aliens would be a penalty** makes no sense. D violates parallel structure by substituting a present participle (**penalizing**) for the second main verb. E introduces an incoherent passive infinitive construction that violates sense and parallel structure.

6. Correct answer: A

Explanation

Choice A, the best answer, preserves grammatical parallelism while allowing for logical expression of temporal relationships; A employs the parallel participial phrases **spawned... and extending ...** to modify **filigree**. Other choices present different grammatical constructions that are not participial modifiers and thus not parallel to **spawned**. In B, **extends** is a present-tense verb; **it extended** in D begins a new clause; and **is extending** in E ungrammatically introduces a new predicate. In C, **extended** is nonparallel if it is assumed to be

a past tense verb form; if it is assumed to be a past participle, it illogically states, as does D, that the filigree extended only in the past.

7. Correct answer: A

Explanation

The best choice, A, offers an adjective phrase unequivocally modifying policy and exhibiting grammatical parallelism (**decreasing ... and improving**). In choice B, the gerund **the decreasing** is not grammatically parallel with the infinitive **to improve**. Likewise, in C and D, **the decreasing of... costs** is not parallel with **improving the efficiency**. In E, the infinitives **to decrease** and **to improve**, while parallel, are less idiomatic than the prepositional phrase of **decreasing ... and improving** in modifying the noun **aim**. Also, **with the aim... improve** can easily be construed as referring to the Baldrick Manufacturing Company and so does not refer unequivocally to **policy**.

8. Correct answer: D

Explanation

In choices A and B, the pronoun **it** simultaneously refers forward to **someone** (or a **person**) and backward to the term **"psychopath"**. As a result, the sentence asserts illogically that the term is actually a kind of person rather than a word referring to a kind of person. Choice C repeats this fault and adds an error in agreement: **they** (plural) does not agree in number with **the term** (singular). E omits a main verb, such as **applied**, that, in grammatical context here, is required after **is**. Also, the word **people** incorrectly shifts number from singular to plural. In choice D, the best answer, the verb **refers** is correctly used after **it**, and the alignment of pronouns and antecedents is both logical and grammatical.

9. Correct answer: D

Explanation

Choice D, the best answer, appropriately uses the adverb **so** to refer back to the verb **accord**. The other choices inappropriately use pronouns (**it** or **this**) to refer back to the verb. Also, A and B use the indicative verb **rewards**, whereas

the logic of the sentence demands the conditional **would reward** (what Parliament believes to be the undue rewarding of illegal immigrants has not actually taken place but is considered only as an outcome of a hypothetical action).

10. Correct answer: C

Explanation

To convey the idea that shifting a portion of health-benefit costs back to workers has two complementary effects, the correct sentence must link grammatically parallel statements of these effects with **and also** or **with not only ... but also**. In choice A, **helps ... but also** undermines the **and also** paradigm, wrongly suggesting a contrast in the effects. In choice E, the unidiomatic **not only ... and** violates the **not only ... but also** paradigm. Choices B and D are not parallel. Also, the phrase **helps the control** in B is vague and unidiomatic. Choice C, the best answer, develops the parallel **not only helps to... but also helps to**.

11. Explanation

The best answer is D. The phrase **devotees of Willa Cather** presents a complete possessive without adding an apostrophe to her last name. Because the sentence describes a past event, the verb **has** in the present tense is incorrect.

12. Correct answer: E

Explanation

The best answer is E. The pronoun **whose** is the best way to link the dream with **Robinson is a botanist**

SAMPLE TEST FOUR

1. Correct answer: B

Explanation

The best answer is B. The phrase ***As literary criticism grows more complex ...*** introduces an ongoing condition that leads to consequences described in the rest of the sentence, which should be expressed with simple present-tense or present progressive. The use of ***like*** rather than ***such as*** is incorrect. In A, C, and D, ***those of*** is too wordy.

2. Correct answer: D

Explanation

The best answer is D. The phrasing of the comparisons in choices A, B, and E is incomplete, so the comparisons are ambiguous. Choice D employs concise, idiomatic phrasing to express a logically complete comparison

3. answer: C

Explanation

The best answer is C. Choices A, B and D each produce a clearly unintended meaning: by using ***aid*** as a noun rather than a verb, each creates a misleading parallel with the noun ***risk***. Choice E lacks grammatical parallelism.

4. Correct answer: B

Explanation

The best answer is B. The noun that comes directly after the comma is modified by ***having logged thousands of hours watching primates from chimpanzees to macaques***. Answers A, D, and E illogically have the chimps observing other primates.

5. Explanation

The best answer is D. In choices B and C the preposition **for** is used unidiomatically. In choice A the omission of the word **the** makes it sound as though these conditions are necessary for all trees

6. Correct answer: E

Explanation

The best answer is E. Choice E is precise and idiomatically phrased. Choice A is illogical because **its** refers grammatically to **Homo habilis**. Choice B is less clear and direct.

7. Correct answer: E

Explanation

The best answer is E. Choice E clearly and correctly uses parallel phrases: **the levels of department head involvement be.... The advertising program be...**

8. Correct answer: D

Explanation

The best answer is D. The communication has to be between the manager and his employee.

9. Correct answer: C

Explanation

The best answer is C. Choice C correctly develops the parallel *not only? but also?*.

10 Correct answer: D

Explanation

The best answer is D. Choice D appropriately used the adverb **so** to refer back to the verb **accord**.

11. Correct answer: A

Explanation

The best answer is A. Choices B and C present faulty comparisons, comparing William's conviction with Benjamin Franklin himself. Choice D does not make clear whether it was the father or the son who helped craft the Declaration of Independence. Choice E incorrectly uses **as** to compare two noun phrases

Correct answer: B

Explanation

The best answer is B. The pronoun **which** should be used to refer to a previously mentioned noun, not to the idea expressed in an entire clause. In A, C, and E there is no specific noun.

SAMPLE TEST FIVE

1. Correct answer: C

Explanation

The best answer is C. As used in choices A, B, and D, the phrases **on account of** and **because of** are unidiomatic. Choice E has a subject-verb agreement problem.

2. Correct answer: D

Explanation

The best answer is D. Choices D and E correctly use the adverbial phrase **more quickly than**. E is incorrect because of the unwarranted use of the present perfect tense.

3. Correct answer: E

Explanation

The best answer is E. Grammatically, the participial phrase beginning with **able to** must modify the subject of the main clause. The word **motorcycles** has to follow the comma to become the subject of that clause.

4. Correct answer: C

Explanation

The best answer is C. The sentence starts with the word **if** setting up a conditional situation. The correct form of **to be** with a conditional is **were**.

5. Correct answer: C

Explanation

The best answer is C. Besides being wordy, the beginnings of Choices A and B cause inconsistencies in verb tense: **the development of the after-school programs** cannot logically be described by both the present perfect and the past. The phrases **none the less? than** in choice D and **no less?** as in E are unidiomatic.

6. Correct answer: C

Explanation

The best answer is C. In choices A and B, the verb **suggest** does not agree with its singular subject, **rise**. Choices D and E use the adverb **usually** where the adjective form is required

7. Correct answer: E

Explanation

The best answer is E. Choices A, B and D use tenses that can only be used for the living. Hughes, the subject of the sentence, is deceased, as is evidenced by the sentence. Choice C sets up a condition **would have published...** but the condition is then not specified

8. Correct answer: E

Explanation

The best answer is E. The phrases **equivalent to**, the equivalent of, and **equal to** have too broad a range of meanings to be used precisely here. **As many as** is preferable. Choice D compares the hundreds of people incorrectly to **enrollment**.

9. Correct answer: B

Explanation

The best answer is B. In English it is idiomatic usage to **credit** someone with having done something.

10. Correct answer: A

Explanation

The best answer is A. The singular pronoun **its** agrees in number with the singular noun referent **AD & M**; the past perfect verb form **had been** is used appropriately to refer to an action completed prior to the action of the simple past tense **produced**.

11. Correct answer: E

Explanation

The best answer is E. Being the second thing that Lewis and Clark did not do, the word **nor** is required. The first negative phrase is in the past simple, so the second one must be in past simple form as well.

12. Correct answer: E

Explanation

The best answer is E. The form of the word **reduce** is governed by first verb phrase because it continues in a parallel construction: Have **eliminated**.. and **reduced**.

SAMPLE TEST SIX

1. Correct answer: A

Explanation

The best answer is A. In choice A, the words **object** and **necessity**, both singular, agree.

2. Correct answer: C

Explanation

The best answer is C. The infinitive **to abolish** follows the verb **ordered**, producing the grammatical and idiomatic sequence **X ordered Y to do Z**

3. Correct answer: C

Explanation

The best answer is C. The infinitive to abolish follows the verb **ordered**, producing the grammatical and idiomatic sequence **X ordered Y to do Z**

4. Correct answer: D

Explanation

The best answer is D. Choice d correctly uses the **not only? but also?** construction, with parallel phrases.

5. Correct answer: B

Explanation

The best answer is B. It is concise and idiomatic, and **which** has a clear referent, **the weather**.

6. Correct answer: B

Explanation

The best answer is B. Choice B is idiomatic and precise.

7. Correct answer: C.

Explanation

The best answer is C. The noun phrase that appears after the first comma is modified by ***starting in the west at St. bees on the Irish Sea. The route*** is the only logical subject.

8. Correct answer: E

Explanation

The best answer is E. In choices A, B and C, the pronoun ***it*** simultaneously refers forward to any***one*** and backward to the term ***entrepreneur***. As a result, the sentence asserts illogically that the term is actually a kind of person rather than a word referring to a kind of person

9. Correct answer: A

Explanation

The best answer is A. ***Whether*** is preferable to ***if*** in presenting the situation which is possible rather than conditional. In D and E ***experiments that see*** is imprecise, because it is the Cytolab scientists that will see, not the experiments themselves.

10. Correct answer: B

Explanation

The best answer is B. This sentence compares the cost required to ***maintain*** two kinds of classroom. B, the best choice, preserves parallelism in the comparison as well

11. Correct answer: B

Explanation

The best answer is B. In English *x [is] expected to y* is idiomatic usage, thus A and C are unidiomatic. D awkwardly substitutes **its focus** for the pronoun **they** as a subject. E is needlessly wordy.

12. Correct answer: D

Explanation

The best answer is D. The noun that follows the comma must be the subject modified by ***Conceived outside her mother's body by in vitro fertilization (IVF) developed by Patrick Steptoe and Robert Edwards.*** Only she is a logical subject.

SAMPLE TEST SEVEN

1. Correct answer: C

Explanation

The best answer is C. Choices A and D illogically compare the **average life span to a member**. Choice c, the best choice, uses the singular pronoun **that**, to stand for life **span** thus establishing a logical comparison.

2. Correct answer: B

Explanation

The best answer is B. Choice B correctly uses the adverbial phrases **twice as many?** to modify the verb **produce**, and properly employs **many** rather than much to describe a quantity made up of countable units (frames).

3. Correct answer: A

Explanation

The best answer is A. is links the noun **x-ray absorption spectroscopy** with its modifier, **precise**, and **so precise** that idiomatically introduces a clause that provides a further explanation of **precise**.

4. Correct answer: E

Explanation

The best answer is E. In English, the idiom is **requiring x to y or requiring that x y** with x as the noun subject and y the unconjugated form of the verb. Choice E follows the first paradigm.

5. Correct answer: D

Explanation

The best answer is D. Choice D uses the grammatically correct expression ***demanded that it reflect in which demanded that it*** is followed by the subjunctive verb ***reflect***.

6. Correct answer: C

Explanation

The best answer is C. Choice C is the only one that maintains grammatical parallelism with the ***either? or?*** construction

7. Correct answer: D

Explanation

The best answer is D. Choice correctly uses the past progressive and past simple verb forms ***was flying*** and ***spotted***. Choice D uses the form ***north from*** which is not idiomatic.

8. Correct answer: A

Explanation

The best answer is A. Two elements connected by a coordinate conjunction should be expressed in parallel form. Only A correctly observes this rule. Choices B, C, D, and E omit the necessary ***for*** in the second element

9. Correct answer: D

Explanation

The best answer is D. After ***requiring orchestras?*** the infinitive ***to provide*** is needed ***So as to*** in choices A and B fail to specify that the musicians receiving the leave will be the people caring for the sick family members.

10. Correct answer: E

Explanation

The best answer is E. The infinitive to work correctly follows the ordered,producing the grammatical and idiomatic sequence x ordered y to do z.

11. Correct answer: D

Explanation

The best answer is D. Only choices C and D correctly **use each** to refer to the fortifications separately. Similarly, **another** is correctly used to refer to the oth fortifications individually instead of collectively

12. Correct answer: B

Explanation

The best answer is B. Choice B is best because it alone correctly handles the idiom **mistake x for**

SAMPLE TEST EIGHT

1. Correct answer: E

Explanation

The best answer is E. Choice E is the only one that maintains grammatical parallelism by using an infinitive, **to pay**, to complete the construction **either to approve? or?**

2. Correct answer: D

Explanation

The best answer is D. The properly completed sentence here must (1) use the proper form of the comparative conjunction, **as fast as** and (2) enclose the parenthetical statement **and? even faster than** in commas.

3. Correct answer: E

Explanation

The best answer is E. Only choice E has a correctly put together parallel construction.

4. Correct answer: B

Explanation

The best answer is B. When **mandate** is used as a verb to mean 'make it mandatory,' it must be followed by **that** and a verb in the subjunctive mood

5. Correct answer: A

Explanation

The best answer is A. Choice A places the word **possibly** before the phrase that it modifies and correctly uses the superlative form.

6. Correct answer: E

Explanation

The best answer is E. Choice E idiomatically completes **whether** with an infinitive, **to sign**

7. Correct answer: B

Explanation

The best answer is B. Choice B logically compares the qualifications of the engineers in Brunswick Inc. to those of Newton

8. Correct answer: C

Explanation

The best answer is C. Each choice but C contains errors of agreement. Choice C correctly links **soldiers** with **were**, eliminates the unnecessary pronouns, and provides a clearer structure

9. Correct answer: E

Explanation

The best answer is E. Choice E is clear and concise; it correctly uses a present participle to introduce the modifier describing how the scientist worked.

10. Correct answer: E

Explanation

The best answer is E. The pronoun **that** is redundant since **one** is sufficient to introduce the modifier. Choice E follows the idiomatic construction ?believe X to be Y?

11. Correct answer: D

Explanation

The best answer is D. The phrasing polio contracted when they were children correctly uses contracted to modify polio and includes a pronoun and a verb that refer unambiguously to their antecedent, patients

12. Correct answer: B

Explanation

The best answer is B. Choices A, C and E do not state the comparison logically. The expression **as old as** indicates equality of age, but the sentence indicates that the Shuttles Company predates other companies. **Older than** makes the point of comparison clear.

SAMPLE TEST NINE

1. Correct answer: E

Explanation

The best answer is E. In comparative structures, the things being compared must be both logically and grammatically parallel. Choice E solves the problem by using two independent clauses linked by **but**

2. Correct answer: E

Explanation

The best answer is E. **Toys**, must be followed by a limiting appositive, such as **one of which**, that identifies an individual from among a larger group.

3. Correct answer: D

Explanation

The best answer is D. Choice D correctly uses the past tense verb form of **began** to refer to an action completed in the past. It also uses the idiomatic **in the early 1970s**

4. Correct answer: C

Explanation

The best answer is C. To convey the idea that providing on-site child care has two benefits, the correct sentence must link grammatically parallel statements of these effects with **and also** or with **not only? but also**. Choices B and C do this, but B introduces a construction which is not parallel.

5. Correct answer: D

Explanation

The best answer is D. Choice D uses the idiomatic and clear construction **the rate of addition? will drop while the rate of loss rises**. Choice E supplies the idiomatic expression but introduces it with the unidiomatic and wordy **there are rises for**

6. Correct answer: C

Explanation

The best answer is C. Choice C had a grammatically correct parallel construction and uses the idiomatic **during his 74 years**.

7. Correct answer: C

Explanation

The best answer is C. Choice C avoids the preposition **for** and **to**, instead using **aid** as a verb that is parallel with **reduce**

8. Correct answer: C

9. Correct answer: D

Explanation

The best answer is D. Choice D appropriately uses the adverb **so** to refer back to the verb **buying**

10. Correct answer: C

Explanation

The best answer is C. At issue is a comparison of Johnson's instruments with Meadow's. Only C, the best choice, uses the elliptical **like Johnson's (instrument being understood)**, to compare Johnson's instruments with Meadow's instruments.

11. Correct answer: C

Explanation

The best answer is C. In this sentence, the relative pronoun **that** should introduce the clause **he was appointed? commemorated** to make a relative clause modifying **year**.

12. Correct answer: B

Explanation

The best answer is B. Choice B is the best because it use the pronoun **them** which refers to the musicians. It also uses the more precise **keep** rather than **avoid**

Work Force

Ability Test 1

1. Cannot say - The passage tells us only that the EU are seeking to preserve existing stocks and environmentalists wish to avoid depletion. The passage does not tell us if fish stocks are near to depletion or indeed if they are plentiful, so we must answer Cannot Say.
2. True - The passage states that environmental groups believe "existing approaches are not working" and "other steps need to be taken". So if measures other than existing are called for, this must mean new methods are called for.
3. False - The passage states that fishermen can be fined "as soon as the catch is landed -but not before-" so they cannot be fined for catching too many fish.
4. Cannot say - The passage states that scientists speculate that there were ice patches on Mars, which is needed for life. We are told about the Phoenix Mars Lander and its discovery but we are not told what the Phoenix Mars Lander has proved, disproved, or failed to prove. For illustration: this passage could be reporting on just one aspect of what Phoenix has discovered. So we cannot say if this is true or false without further information.
5. Cannot say - The passage states that "Life on our planet requires water". The passage also says that we do not know about every single life form: "Nobody knows what life forms may exist outside our own planet". Given that the passage does not tell us whether all life on Mars (or any planet other than our own) does or does not require water, we cannot say whether or not this statement is true or false, therefore we have to answer Cannot Say.
6. False - The fifth sentence says "When it dug a ditch in the planet's surface" meaning that the Phoenix Mars Lander is capable of some sort of excavation

7. Cannot say - The passage tells us there was an increased percentage of students passing in 2008 compared with 2007, but we are not told about results from any other years. So we cannot say for sure if results are improving every year.

8. Cannot say - Some people have expressed concerns that the exams are getting easier, but no evidence of this notion is given in the passage.

9. True - The passage refers to the "the increased spending on schools over the period" and from earlier in the passage we see that "the period" referred to is 2007 to 2008.

10. Cannot say - There is nothing in the passage telling us that this is definitely either true or false, so we must answer Cannot Say (regardless of what knowledge you may have from sources other than this passage of text).

11. True - The first sentence tells us that the smoke-free law "was introduced in England with the aim of protecting employees in their places of work, and the general public". So we are told that this was one of the aims, which means they must have had public welfare in mind.

12. True - The passage states that "staff smoking rooms are no longer allowed; staff who want to smoke must go outside". Employees are the same as "staff" so we are told that this statement is true.

13. Cannot say – while the sixth sentence states that "single-sex schools subvert stereotypical course-taking patterns and results," it is not possible to say – based only on the information in the passage – whether girls perform better in maths and sciences. The passage explains how there are advocates on each side of the argument, but does not say who is right.

14. True – single-sex state schools were illegal between 1972 and 2006, as explained in the second sentence.

15. True – the seventh sentence states that educators can tailor their tuition to reflect current research about gender-based brain development.

The next 5 Questions deal with Critical Reasoning:

16. An L.A. political candidate who buys saturation radio advertising will get maximum name recognition. In other words, such advertising is sufficient for maximum name recognition. If so, then it must be true that, as (D) says, a candidate can get such recognition without spending on other forms of media

17. C is the right option

If we can show that something besides the court system may explain the increase in crime we would weaken the argument. The author assumes that there is no other cause. Tackle the choices, looking for another cause besides the allegedly lenient court sentences.

(A) Does not compare one state to another. The argument's scope is the crime rate increase in this particular state only. In (B), the fact that white collar crime is also on the rise strengthens rather than weakens the argument. (C) Presents an alternative explanation for the increase in crime (reduction in police). As for (D), what if 65 percent of people in the state oppose capital punishment? This provides little insight into why crime has gone up since last year. (E) Tells us that numerous judges have been replaced in the last year. It is possible that the new judges are more lenient, but this would only strengthen the author's argument.

18. Evidence: more newspaper articles exposed as fabrications.

Conclusion: Publishers want to increase circulation, not print the truth.

This conclusion makes sense only if we assume (E), that the publishers are the ones who decide what to print. If (E) weren't true and this decision was up to someone other than the publisher, the argument would fall apart.

19. The evidence says that students who attend colleges with low faculty/student ratios get well-rounded educations, but the conclusion is that the author will send his kids to colleges with small student populations. Since colleges can have the second without necessarily having the first, (C) is correct.

20. The question stem asks you to pick the choice from which the statement can be derived, and that's (E). If, as (E) says, anyone who is German is an idealist except for Marx, then all Germans except for Marx are idealists. That being the case, it would certainly be true that, as the stimulus says, with the exception of Marx, all German philosopher—being a subset of all Germans—are idealists. While this may sound absurd, we're concerned with strict logic here, not content.

21. The correct answer is E

First Rule: The cross-hatching alternates between being applied to the circle below the shaded one (wrapping round to the top when no circle is available below) and removed from the circle that has had the cross-hatching for two consecutive figures.

Second Rule: The middle circle alternates between being half-way between the other circles in size and being bigger than both of them.

Third Rule: The cross hatching slopes upwards for two figures then downwards for two figures. This sequence then repeats.

22. The correct answer is A

First Rule: The triangle with a dot in one corner alternates between mirrored in a diagonal from the top left of the figure to the bottom right and mirrored in a diagonal from the top right of the figure to the bottom left.

Second Rule: The rectangle alternates between being mirrored vertically and mirrored horizontally.

Third Rule: The rectangle also increases in width by a uniform amount every time, in a direction that is away from the closest edge of the figure.

23. The correct answer is D

First Rule: Every time, the small triangle nearest the bottom right corner is split into two equal triangles of the same proportions.

Second Rule: The two, newly created, smallest triangles are always unshaded. The rest alternate between being shaded and unshaded in each image.

Third Rule: The stick figure moves up the hypotenuse of the largest triangle by an equal amount every time.

24. The correct answer is E

First Rule: The shading of the small triangles moves 3 triangles anti-clockwise each time.

Second Rule: The cross-hatching on the kite shapes near the corners of the figure, which is always in the direction of the nearest corner, moves clockwise, alternating between moving one shape and moving two.

Third Rule: The center shapes alternates between having downward sloping cross-hatching and having upward sloping cross-hatching.

25. The correct answer is D

First Rule: Two bricks are added each time, starting from the center and working outwards. Each row is completed before the next is started, and addition of two half bricks counts as adding one whole brick.

Second Rule: Bricks on the bottom left to top right diagonal have upward sloping cross-hatching.

Third Rule: The circle alternates between being on whole bricks that are central, and whole bricks that are on the far right.

Fourth Rule: Reading left to right, downward sloping cross-hatching is applied to the first, then second, then third full brick on every row, with incomplete rows being treated as though they were complete when determining this pattern. This sequence then repeats.

26. The correct answer is D.

Rule 1: The shapes move one corner anticlockwise each time.

Rule 2: The shapes alternate between circle and square.

Rule 3: The hatching changes between hatched and unhatched every other graphic in the sequence. I.e. off, off, on, on, off, off ... and so on.

Rule 4: The shapes grow small, medium, then large, then start again.

27. The correct answer is A.

Rule 1: The position of the shapes in the current item is determined by the direction the triangle is pointing in the previous item. There is no rule to determine the direction of the arrow in the current item, only its position.

Rule 2: The shape inside the triangle changes in the repeating sequence circle, square, star.

Rule 3: The shading in the shapes alternates between the shape in the middle and the triangle.

Rule 4: The shapes grow small, medium, large then back to small, medium etc.

28. The correct answer is C.

Rule 1: The number of stars in the top right predicts how many horizontal lines will be in the next box.

Rule 2: The circles alternate with triangles.

Rule 3: The number of circles or triangles is the sum of the number of circles and triangles in the previous two boxes, with the black shading obscuring some shapes.

Note: even though the black shading is obscuring some of the 13 triangles, it is possible to see that C is the correct answer by process of elimination; i.e. a particular rule excludes all of the other possible answers.

29. The correct answer is A

First Rule: The scales are tipped fully to the left, then straight, then tipped fully to the right, then straight. This sequence then repeats.

Second Rule: Squares weigh more than triangles and circles, which weigh the same as each other.

Third Rule: The support for the scales alternates between having downward cross-hatching and having upwards cross-hatching.

Fourth Rule: The cross hatching of any triangles being „weighed“ is the opposite of that of the support.

30. The correct answer is C

First Rule: The downward sloping cross-hatching follows the sequence top left circle, bottom right circle, bottom left circle, top right circle. This sequence then repeats.

Second Rule: The upward sloping cross-hatching follows the sequence top right circle, bottom left circle, bottom right circle. This sequence then repeats.

Third Rule: The arrow points to where the small circle will be in the next figure.

Fourth Rule: The Square is in the position occupied by the small circle in the previous figure.

$$\begin{aligned} 31. \text{ Profit for Service} &= 10\% \text{ of } 50,000 \\ &= (10/100) \times 50,000 \\ &= 5000 \end{aligned}$$

$$\begin{aligned} \text{V.A.T} &= 15\% \text{ of } 5000 \\ &= (15/100) \times 5000 \\ &= \text{N750 (D)} \end{aligned}$$

$$\begin{aligned} 32. \text{ Profit} &= \text{Half of Bisco Solution's Income} \\ &= \frac{1}{2} \text{ of } 180,000 \\ &= \frac{1}{2} \times 180,000 \\ &= \text{N90,000} \end{aligned}$$

$$\begin{aligned} \text{V.A.T} &= 17\% \text{ of } 90,000 \text{ (We use 17\% because Bisco is not registered with VISCO Tax)} \\ &= \text{N15,300 (C)} \end{aligned}$$

$$33 \text{ Total Income} = 50,000 + 25,000 + 40,000 \\ = \text{N}115,000$$

$$\text{V.A.T} = 15\% \text{ of } 115,000 \\ = \text{N}17,250 \text{ (A)}$$

34. Since Casper is registered with Visco (Tax rate = 15%)
 $\text{V.A.T} = 15\% \text{ of } 40,000 \text{ (Since no cost is incurred)}$
 $= \text{N}6,000 \text{ (D)}$

35. If Annex and co is not registered (V.A.T = 17%)
 $\text{V.A.T} = 17\% \text{ of } 100,000 =$
 $\text{N}17,000$

36. Step 1 – Calculate the total Week 1 and Week 3 sales across the 5 Stores

$$\text{Week 1: } 20 + 30 + 25 + 15 + 5 = 95$$

$$\text{Week 3: } 35 + 40 + 24 + 12 + 9 = 120$$

Step 2 - Calculate the total Week 1 and Week 3 targets across the 5 Stores

$$\text{Week 1: } 15 + 20 + 20 + 10 + 10 = 75$$

$$\text{Week 3: } 35 + 35 + 30 + 15 + 15 = 130$$

Step 3 – Calculate the difference for Weeks 1 and 3 Week 1: $95 - 75 = 20$ over target

$$\text{Week 3: } 120 - 130 = 10 \text{ under target}$$

Thus the correct answer is (E) 20 over target (Week 1); 10 under target (Week 3)

37. Step 1 – Calculate each Store's total sales

Use the Actual sales figures for each of the 3 weeks, as follows:

Redcliff	$20 + 20 + 35 = 75$
Ather	$30 + 40 + 40 = 110$
Wilkington	$25 + 18 + 24 = 67$
Trew	$15 + 14 + 12 = 41$
Tunston	$5 + 6 + 9 = 20$

Step 2 – Calculate each Store's average sales per sales staff member, as follows:

Redcliff	$75 / 8 = 9.4$
----------	----------------

Anther	$110 / 9 = 12.2$
Wilmington	$67 / 5 = 13.4$
Trew	$41 / 8 = 5.1$
Tunston	$20 / 6 = 3.3$

Thus the correct answer is (C) Wilmington

38. Step 1 – Calculate the new staff numbers

Redcliff	$8 - 2 = 6$ staff
Ather	$9 - 2 = 7$ staff
Wilmington	$5 - 1 = 4$ staff
Trew	$8 - 2 = 6$ staff
Tunston	$6 - 1 = 5$ staff

Step 2 – Calculate the average target per staff member

Average = target / total number of staff = $168,000 / 28 = £6,000$

Thus the correct answer is (B) £6,000

39. Step 1 – Calculate each Region's sales

Eastern Region's sales = $2 \times 120,000 / 3 = 80,000$

Northern + Southern Regions' sales = $80,000 \times 2 = 160,000$

Step 2 – Calculate the total sales $120,000 + 80,000 + 160,000 = 360,000$

Thus the correct answer is (E) £360,000

40. Step 1 – Calculate the total sales

We could use the working from Q6 to obtain

Week 1 and Week 3 sales totals. Week 2 sales

= $20 + 40 + 18 + 14 + 6 = 98$

Total sales = Week 1 + Week 2 + Week 3 = $95 + 98 + 120 = 313$

Step 2 – Calculate the amount saved $313 \times £9.50 = £2,973.50$

Step 3 - (to the nearest £100) $£2,973.50 = £3,000$

Thus the correct answer is (A) £3,000

41. Step 1 - Put the 3 countries into a ratio

Austria (Quarter 4) : Portugal (Quarter 1):

Greek (Quarter 4) = 35,000: 28,000:

21,000

Step 2 – Simplify the ratio (recognize that 7 is

a common denominator) 5:4:3 Thus the

correct answer is (D) 5:4:3

42. Step 1 – Calculate the total

unit sales for each country

Greece = 108,300

Portugal = 104,200

Austria = 105,800

Ireland = 102,400

Croatia = 105,200

Step 2 – Compare each total to the Yearly Target (Unit sales)

Targets are either 105,000 or 110,000.

Only Austria has exceeded its 105,000 target.

Thus the correct answer is (C) Austria

43. Step 1 – Calculate this year's average number of Portuguese units sold per quarter $(28,000 + 33,200 + 22,600 + 20,400) / 4 = 104,200 / 4 = 26,050$

Step 2 – Calculate a 20% increase to get last year's average number of Portuguese units sold per quarter $26,050 \times 1.2 = 31,260$

Thus the correct answer is (B) 31,260

44. Step 1 – Calculate the total value of Austrian unit sales Total Austrian unit sales = 105,800

Total value of Austrian unit sales = $105,800 \times 3.5 = 370,300$

Step 2 - Calculate the corporation tax for the first 200,000 of Austrian unit sales $200,000 \times 22\% =$

44,000

Step 3 - Calculate the tax for sales exceeding 200,000

$370,300 - 200,000 = 170,300$

$170,300 \times 20\% = 34,060$

Step 4 – Calculate the total tax $44,000 + 34,060$

Thus the correct answer is (E) 78,060

45. Step 1 – Calculate the total unit sales for each country Using the earlier question's total unit sales for each country Greece

$= 108,300 \times 2.5 = 270,750$

Portugal = $104,200 \times 2.25 = 234,450$ Austria = $105,800 \times 2.25$

$$= 238,050 \text{ Ireland} = 102,400 \times 2.5 = 256,000 \text{ Croatia} = 105,200 \times 2.25 = 236,700$$

Step 2 – Compare each total to the Annual Product Sales Target Only Croatia and Greece exceeded their respective targets.

Thus the correct answer is (D) Croatia and Greece

46. Step 1 - Sum the half-yearly US and the EU sales to get the annual sales for each product:

	US annual sales	EU annual sales	US annual sales + EU annual sales
Product A	105	181.9	286.9
Product B	120.3	150	270.3
Product C	118.5	180.2	298.7
Product D	150.6	203.5	354.1
Product E	150.9	184	334.9

Step 2 – Calculate Far Eastern sales for each product (= worldwide sales - US annual sales + EU annual sales)

Product A	320 - 286.9 = 33.1
Product B	300 - 270.3 = 29.7
Product C	330 - 298.7 = 31.3
Product D	380 - 354.1 = 25.9
Product E	350 - 334.9 = 15.1

Tip: in practice, when the time is ticking, you wouldn't bother writing down the sums; you'd just enter the numbers for each product straight into your calculator and write down the Far Eastern Sales. You're also less likely to make a data-entry mistake this way.

Thus the correct answer is (A) Product

47. Step 1 – Sum the Jan-June sales (US) and the July-Dec sales (US) $325.3 + 320 = £645.3$ million

Step 2 – Calculate the difference compared to the US target (£650 million) $650 - 645.3 = £4.7$ million

Step 3 – Sum the Jan-June (European) and the July-Dec sales (EU) $445.2 + 454.4 = £899.6$ million

Step 4 – Calculate the difference compared to the European target (£910 million) $910 - 899.6 = £10.4$ million

Tip - In this question, it would have been possible to answer the question after working out just the US difference, but this is often not the case.

Thus the correct answer is (C) £4.7 million (US); £10.4 million (EU)

48. Step 1 – Calculate the EU sales for Products B and C $88.0 + 92.2 + 72.2 + 77.8 = 330.2$ (£million)

Step 2 – Use the ratio to find online sales.

online: offline = 2:3 $330.2 = 2x +$

$3x = 5x$ $x = 330.2/5 = 66.04$

online sales = $2x = 132.08$

Tip - In practice it's quicker to just multiply 330.2 by (2/5) to obtain the ratio.

**Thus the correct answer is (D)
£132,080,000**

49. Step 1 - Calculate the US sales tax for Products B, C, D combined.

	US annual sales	US Sales tax on first £130 million
Products B, C, D	$120.3 + 118.5 + 150.6 = 389.4$	$130 \times 0.24 = 31.2$ (£million)
Total US sales tax = £31.2 million		

Step 2 - Calculate the European sales tax

	EU annual sales	EU sales tax
Products B, C, D	$150 + 180.2 + 203.5 = 533.7$	$533.7 \times 0.22 = 117.414$ (£million)
Total EU sales tax = £117.414 million		

Step 3 – Calculate the total sales tax $31.2 + 117.414 = 148.614$

Tip - Notice as long as you check the US sales are over £130 million, you don't actually have to calculate the total because there is no tax on sales over £130 million.

Thus the correct answer is (C) £149 million

50. Step 1 - Calculate each figure as follows;

$$77.8 - 72.2 = \text{£}5.6 \text{ million}$$

$$76.5 \times 0.07 = \text{£}5.355 \text{ million}$$

$$78.2 - 72.7 = \text{£}5.5 \text{ million}$$

$$50.5 / 6 = \text{£}8.42 \text{ million}$$

$$60.5 / 6 = \text{£}10.08 \text{ million}$$

Tip: Remember to quickly re-scan the question because some people will put down the LARGEST value (E) not the SMALLEST (B).

Thus the correct answer is (B) 7% of Product D's US sales (Jan-June)

Ability Test 2

1. True - This statement is essentially a summary of the third sentence:
"Employees able to adopt flexible working are better able to balance work and family commitments and are therefore happier at work, experiencing greater job satisfaction".
2. False - The passage states that "All employees have a statutory right to request flexible working arrangements; the law extends no further than insisting employers consider and respond to these requests within a predefined timescale". So the passage is telling us that the law requires the employer to consider the employee's request but that is as far as the law goes; i.e. it does not go as far as saying they have to honor the request.
3. True - The passage tells us that by adopting flexible working hours, staff are "more motivated and less likely to leave". We are also told that "Staff recruitment costs are not insignificant to businesses." So the passage says that by improving staff retention, businesses are more likely to save money on recruitment costs by adopting flexible working hours.
4. Cannot say - The passage tells us about research in which 3,000 men were studied, and these men were 25% more likely to suffer stress if they rated their boss as incompetent. However the passage tells us just about the study; it is not telling us anything about people outside the study group, so we cannot say without further information.
5. False - The second sentence tells us that "Previous research had shown that employees with inconsiderate bosses suffered from high blood pressure".
6. Cannot say - The passage states that recommendations from the study are subject to confirmation. Even then, these would be just a recommendation

from one viewpoint“ the passage does not tell us explicitly that managers should or should not be given training.

7. True – this statement is correct, as the passage says: “when the behaviour of a team-member conflicts with established desirable practice... one effective angle is to lead by example...”

8. Cannot say – while the passage encourages both effective communication and a flexible approach (“a manager must have a good understanding of the way individual people communicate”, “a flexible approach is essential”) it does not explicitly state that individual communication leads to flexible approach

9. False – while the passage generally stresses the importance of understanding individual styles (“a manager must have a good understanding of the way individual people communicate”, “... relevant to each team-member's particular experience.”) it states explicitly that “A good team will always put the needs of the organisation first.”

10. False – the passage states in fact that such employees will contribute “as willing partners to the achievements of the company.”

11. True – the passage states that “this kind of thinking” - which refers directly to the personal entrepreneurship approach discussed in the first paragraph – can be induced through “Orientation and value-formation training”.

12. Cannot say – while the passage states, “Those who are oriented towards personal entrepreneurship will work long hours”, therefore implying that the answer to this question should be 'false', there is no explicit comparison with other staff in either direction, so no definite answer can be given.

13. False - The first sentence tells us that “most forms of discrimination in the workplace have been outlawed”. So even though not all forms of discrimination have been outlawed (made illegal), it is not true to say that no legislation exists.

14. Cannot say - The third sentence tells us what the glass ceiling is and the fourth sentence tells us: “Originally coined to illustrate the hidden use of sexual discrimination against women in professional environments, it is now used to describe any form of discrimination”. So if we know it covers all sorts of discrimination and the passage doesn’t go on to say if females are more likely to suffer than males, we cannot say for sure whether this statement is true or false, so we have to answer Cannot Say.

15. True - The passage tells us that the glass ceiling describes discrimination which is “both unwritten and unacknowledged” and also that the term applies to “any form of discrimination, such as racism or ageism, which prevents qualified or experienced employees reaching even basic levels within their organization”. So it is indeed possible that a „glass ceiling“ can prevent a qualified person getting to the top of their field.

16. *A is the best answer.*

If applicants who are in fact dishonest claimed to be honest, the survey results would show a smaller proportion of dishonest applicants than actually exists. Therefore, this choice is the best answer. B is inappropriate because generally honest applicants who claimed to be dishonest could contribute to the overestimation, but not to the underestimation, of dishonest applicants. D is inappropriate because applicants who admitted their dishonesty would not contribute to an underestimation of the proportion of dishonest applicants. C and E are

inappropriate because the argument is concerned neither with degrees of dishonesty nor with the honesty of non-applicants.

17. Correct Answer: **D**

This answer highlights something that made Samuel's fishing performance uniquely different than his teammates. Moreover, Samuel did not make the choice to fish with alternative bait—his captain ordered him to do it. If Samuel made the choice to fish with alternative bait, it would be his poor fishing judgment that would be at fault. Similarly, the answer makes clear that no other fisherman on Samuel's boat faced the same predicament.

18. Correct Answer: **E**

19. C is the best answer

If the tariff on importing radios from Country Q to Country Y were as high as ten percent or more of the cost of producing radios in Y, then, contrary to what the passage says, the cost of importing radios from Q to Y would be equal to or more than the cost of producing radios in Y. thus, the tariff cannot be that high, and C is the best answer. A and E give possible partial explanations for the cost difference, but neither is supported by the passage because the cost advantage in Q might be attributable to other factors. B and D are both consistent with the information in the passage, but the passage provides no evidence to support them.

20. D is the best answer

The passage rejects one explanation of the shortage of teachers—that it results from toughened hiring standards—and advances an alternative—that it results from deficiencies in pay and working conditions. D provides corroborative evidence for the latter

explanation by suggesting that, for many former teachers, poor pay and working conditions were reasons for their quitting the profession. Therefore, D is the best answer. A, C and E provide evidence that tends to implicate new hiring standards in the staffing shortage, and thus support the explanation that the passage rejects. B describes what may be a result of the new hiring standards, but it provides no evidence favoring one explanation of the staffing shortage over the other.

21. The Right Option is B

Rule 1: The shapes on the top row follow the order: circle, circle, square, square and then repeats.

Rule 2: The shapes on the top row move one place to the right each time.

Rule 3: The shapes on the bottom row alternate between circle and square.

22. The Right Option is E

Rule 1: The solid line moves one place counterclockwise each time.

Rule 2: The arrow line moves two places counterclockwise each time.

Rule 3: The dotted line moves counterclockwise one place, then two places, then 3 places and so on.

23. The Correct Option is C

Rule 1: The left and right hand rectangles alternate between pointing NE-SW and NW-SE each time.

Rule 2: The middle rectangle alternates between the foreground and the background.

Rule 3: The shaded block moves one place to the right each time.

24. The Right Option is B

Rule 1: The total number of edges on the shape decreases by one each time.

Rule 2: The total number of segments in each shape increases by one each time.

Rule 3: The shape alternates between shaded and unshaded.

25. The Right Option is D

Rule 1: The total number of circles increases by one each time.

Rule 2: The triangles alternate between shaded and unshaded.

Rule 3: The total number of squares alternates between 5 and 7.

26. The Right Option is A

Rule 1: The shaded bar moves one place to the right, then two places, then three places and so on.

Rule 2: The rounded corners move one place to the right each time.

Rule 3: The shortened bar alternates between the left and right hand side.

27. The Right Option is A

Rule 1: The missing edge of the square moves one place counterclockwise each time.

Rule 2: The number moves one place counterclockwise each time, and indicate how many circles are in the square.

Rule 3: The square alternates between shaded and unshaded.

28. The Right Option is E

Rule 1: The large shape alternates between being at the top and the bottom of the box.

Rule 2: The large shape is the same as which ever small shape is the most frequent.

Rule 3: If more small shapes are shaded than unshaded, then the large shape is also shaded, and vice versa.

29. The Right Option is B

Rule 1: The large shape alternates between circle and square.

Rule 2: The total number of edges on the the small shape increases by one each time.

Rule 3: The line rotates one place clockwise each time.

30. The Right Option is A

Rule 1: The total number of vertical lines increases by one every two boxes.

Rule 2: The total number of horizontal lines increases by one each time.

Rule 3: The total number of shaded boxes increases by two each time.

In the United Kingdom, shops include the V.A.T (Value Added Tax) on the goods they sell so that the V.A.T amount is incurred by the purchaser of the goods. If the current normal rate of V.A.T in the United Kingdom is 15% on your selling price, solve the following question

31. The V.A.T is 15%

Therefore, the Selling Price = $1.15 \times 72 = \text{£}82.80$ (A)

32. To get the original price of Cane rack, divide by the increase of 15%
Original Price = $\text{£}90.00 / 1.15 = \text{£}78.20$ (C)

33. Since the V.A.T is 15%. The V.A.T amount = 15% of 84.00

$$= £12.6$$

34. Since she wants to avoid V.A.T, the V.A.T payment would be transferred to the buyer. Therefore the Cost = 1.15% of 50 = £57.50

35. The True Price should have been $120/1.15$
= £104.35

36. Step 1 – Calculate the regional sales for the current year using the table.

Step 2 – Compare the numbers from Step 1 to the figures for the previous year and for next year, as follows;

	Previous	Current	Next Year's
Region			
Northern	Y310ear	y310ear	320
Southern	170	160	165
Eastern	290	300	275
Western	255	280	270
Central	110	90	125

Only the Northern region has maintained sales at 310 for the previous and current year, as well as projecting an increase in sales to 320 for next year

Thus the correct Answer is (A) Northern region

37.. Step 1 - Calculate the difference between the highest regional sales

(Northern) and the lowest regional sales (Central) $310 - 90 = \text{£}220$ million

Thus the correct Answer is (E) £220 million

38. Step 1 - Calculate the new regional sales for the 4 regions affected and sum these, as shown in the table below:

Central	125	125
TOTAL		919.50

Thus the correct Answer is (C) £919.50 million

Region	Next Year's Projection	New Projection
Northern	320	$\times 3/4 = 240$
Southern	165	$\times 4/5 = 132$
Eastern	275	$\times 4/5 = 220$
Western	270	$\times 3/4 = 202.5$

39. Step 1 – Put the Previous Year's sales for these regions into a ratio
110:290

Step 2 – Put the Current Year's sales for these regions into a ratio
90:300

Step 3 – Simplify these ratios by dividing by the highest common denominator 11:29 for Previous Year (after division by 10) 3:10 for Current Year
(after division by 30)

Thus the correct answer is (D) 11:29 (Previous Year); 3:10 (Current Year)

40. Step 1 - Calculate the totals for each region, as follows:

	Current Year	Next Year	Total
Northern	310	320	630
Southern	160	165	325
Eastern	300	275	575
Western	280	270	550
Central	90	125	215

Thus the correct answer is (A) Central, Southern, Western, Eastern, Northern

41. Tip: Don't be caught out by the fact that the question lists Competitor B first, when you might be expecting to see Competitor A then Competitor B. This is intended to throw those not paying attention.

Step 1 – Add 15% to Competitor B's profit before tax $112 \times 115\% = 128.8$

Step 2 – Decrease Competitor A's profit before tax by 8% $90 \times 92\% = 82.8$

Step 3 - Calculate the difference in corporation tax (at 30%) $(128.8 - 82.8) \times$

$30\% = 13.8 = \text{£}14 \text{ million (to the nearest £million)}$ Thus the correct answer is (C) $\text{£}14 \text{ million}$

42. Step 1 – Calculate Competitor B revenue in \$ $632 \times 1.66 = \$1,049$

Step 2 – Calculate Competitor C revenues in Euros $600 \times 1.15 = 690$

Thus the correct answer is (B) \$1,049 million (Competitor B); 690 million (Competitor C)

43. Step 1 – Calculate the difference in the exchange rate $1.20 - 1.15 = 0.05$

Step 2 – Calculate the difference in Euros $0.05 \times 63 = 3.15 \text{ million}$

Thus the correct answer is (E) 3.15 million

44. Step 1 – Calculate the total Gross Profit $128 + 148 + 147 = 423$

Step 2 – Calculate the average $423 / 3 = 141$

Step 3 – To the nearest $\text{£}10\text{million} = \text{£}140 \text{ million}$

45. Thus the correct answer is (A) $\text{£}140 \text{ million}$ Q45 Competitor C moves to a country charging 15% corporation tax and corporation tax falls to 22% for Competitors A and B.

Step 1 – Calculate the corporation tax payable for each competitor

Competitor A = $90 \times 22\% = 19.8$

Competitor B = $112 \times 22\% = 24.6$ Competitor C = $117 \times 15\% = 17.6$

Step 2 – Calculate the total corporation tax payable $19.8 +$

$24.6 + 17.6 = \text{£}62 \text{ million}$

Thus the correct answer is (A) $\text{£}62 \text{ million}$

46. Step 1 – Calculate the 2005-2006 rate of Attributable profit increase
Rate between

$2006-2007 = 2.11 / 1.95 = 8.2\% \text{ increase}$

Rate between 2005-2006 = $8.2 / 2 = 4.1\% \text{ increase}$

Step 2 – Calculate the Attributable profit figure for 2005 1.95 , $1.041 = 1.87$ (£million)

Thus the correct answer is (D) $\text{£}1.87 \text{ million}$

47. Step 1 - Calculate the average profit (per unit) as follows:

2006	2007	2008	2009	2010
£250	£325	£175	£200	£300
$\text{£}250 / 500 = \text{£}0.50$	$\text{£}325 / 500 = \text{£}0.65$	$\text{£}175 / 500 = \text{£}0.35$	$\text{£}200 / 500 = \text{£}0.40$	$\text{£}300 / 500 = \text{£}0.60$

Note the question asks for "in excess of 50p". So in 2006 where the profit was exactly 50p, this does not satisfy the requirement.

Thus the correct answer is (D) 2007 and 2010

48. Step 1 – Calculate the 2011 Adjusted earnings $1.11 \times 1 \frac{1}{8} = 1.249$

Step 2 – Calculate the 2011 Cash flow adjusted earnings: Cash flow =

$$2:3 \text{ Cash flow} = 1.249 \times \frac{3}{2} = 1.87$$

Thus the correct answer is (B) £1.87 million

49. Step 1 - Calculate the ratio for each year as shown in the table below;

	2006	2007	2008	2009	2010
Adjusted earnings/ Attributable profit	= 1.02/1.95	= 1.05/2.11	= 0.95/1.93	= 0.98/1.88	= 1.11/2.23
	= 0.52	= 0.498	= 0.492	= 0.52	= 0.50

Thus the correct answer is (C) 2008

50. Step 1 - Calculate the % change in cash flow for each year

2007	2008	2009	2010
1.42 / 1.32	1.34 / 1.42	1.25 / 1.34	1.53/1.25
= 7.58% (increase)	= 5.63% (decrease)	= 6.72% (decrease)	= 22.4% (increase)

Thus the correct answer is (E) 2010

Ability Test 3

1. False – the passage explicitly states the opposite, that “accepting criticism gracefully [helps to] build a solid working relationship.”
2. False – the passage states, “A bad relationship [with an employer] can...damage professional reputations.” The statement is therefore incorrect.
3. Cannot say - the passage states “artificial flattery [is] unlikely to impress if promotion is the goal”, but makes no comment about the effect of sincere flattery. So that tells us about artificial flattery and that it is unlikely to impress. Regarding flattery in general, the passage does not state that flattery can or cannot be an effective approach for seeking promotion, so we cannot say if this is true or false.
4. Cannot say – the passage states that “the increasingly inescapable attention of the media” means that “unethical practices can become a matter of public knowledge overnight, with devastating consequences.” It does not however make any explicit reference to the consequences of unethical practices which do not come to the public attention.
5. True – The passage states that, “Codes of ethical practice should apply not only to clients, but to employees”.
6. True – the passage states that the media “allows an unprecedented number of individuals to access news and information” and explicitly confirms that this includes information about companies' ethical practices by adding “unethical practices can become a matter of public knowledge overnight”.

7. True – the passage states, “a helpful starting point for [planning advertising strategies] is an analysis of the advertising currently being used by competitors”. The statement is therefore correct.

8. Cannot say – the passage states that “A well-designed website” should

9. Cannot say – the passage states that a website “assures potential clients that the company has a forward-thinking, enterprising outlook”, but does not explicitly state that a client would or would not prefer such a company.

10. Cannot say - This may well be true, but is not stated in the passage so we have to answer Cannot Say. The passage refers only to relationship problems with colleagues and does not say if relationship problems with a partner do or don't cause stress.

11. True -The fifth sentence lists tiredness as one of the physical problems caused by stress, and lack of concentration is listed under emotional problems.

12. Cannot say - One in six “of the UK working population” said their job is very stressful in the study referred to in the passage. The passage does not tell us the ratio for men only, which may be higher, equal, or lower.

13. False – the sixth sentence says that it is the eating saturated fats found in “full-fat dairy products, cakes and biscuits that raises the levels of “bad” cholesterol”– i.e. LDL.

14. True – the first sentence states that many people would be “surprised to learn that cholesterol performs essential functions in the human body”.

15. False – the reverse is true according to sentences four and five.

16. B is the best answer

The speed with which the ice on the windshield melted is attributed to the air blowing full force from the defrosting vent onto the front windshield. This explanation of B is undermined if, as B states, no attempt was made to defrost the back window and the ice on the back window melted as quickly as did the ice on the windshield. Therefore, B is the best answer. In the absence of other information, the lack of ice condensation on the side windows that is mentioned in A is irrelevant to the validity of the explanation. C might support the explanation, since the air from the defrosting vent was warm. Neither of D and E gives a reason to doubt that air from the vent caused the ice's melting, and thus neither jeopardizes the explanation's validity.

17. D is the best answer.

The group's contention suggests that animals that are shy and active at night are feared and persecuted for that reason. D establishes that raccoons and owls are shy and active at night, but that they are neither feared nor persecuted. Therefore, D is the best answer. Although an increasing prevalence of bats might explain the importance of addressing people's fear of bats, A does not address the original causes of that fear. B and E, while relevant to the rationality of people's fear of bats, do not affect the assessment of the accuracy of the group's contention. That bats are feared outside the United States, as C states, does not conflict with the group's explanation for fear of bats in the United States.

18. B is the best answer

The principle that people are entitled to risk injury provided they do not thereby harm others fails to justify the individual's right to decide not to wear seat belts if it can be shown, as B shows, that

that decision does harm others. Therefore, B is the best answer. A suggests that the law may be irrelevant in some cases, but it does not address the issue of the law's legitimacy. C cites a requirement analogous to the one at issue, but its existence alone does not bear on the legitimacy of the one at issue. The argument implicitly concedes that individuals take risks by not wearing seat belts; therefore, D and E, which simply confirm this concession, do not weaken the conclusion.

19. C is the best answer.

If the tariff on importing radios from Country Q to Country Y were as high as ten percent or more of the cost of producing radios in Y, then, contrary to what the passage says, the cost of importing radios from Q to Y would be equal to or more than the cost of producing radios in Y. thus, the tariff cannot be that high, and C is the best answer. A and E give possible partial explanations for the cost difference, but neither is supported by the passage because the cost advantage in Q might be attributable to other factors. B and D are both consistent with the information in the passage, but the passage provides no evidence to support them.

20. D is the best answer

Concluding from the similar numbers of deaths in two groups that the relative danger of death was similar for both groups is absurd if, as here, one group was far smaller. D exposes this absurdity by pointing out the need to compare death rates of the two groups, which would reveal the higher death rate for the smaller group. Therefore, D is the best answer. Since the conclusion acknowledges the difference between the number of civilian and armed forces deaths, expressing this difference as a percentage, as suggested by B, is beside the point. A is inappropriate because it simply adds a third group to the two being compared. Because cause of death is not at issue, C and E are irrelevant.

21. The Right Answer is E

Rule 1: The shape alternates between a circle and square.

Rule 2: The line outside of the shape moves clockwise one place to the next corner, then two places, then three places and so on.

Rule 3: The line inside the shape rotates 45° clockwise each time.

22. The Right Option is E

Rule 1: The flag moves down one place each time, and then begins again from the top.

Rule 2: The flag alternates between pointing left and right.

Rule 3: The line in the flag rotates 45° counterclockwise each time.

23. The Right Option is C

Rule 1: The shaded circle moves down one place each time, and then begins again from the top.

Rule 2: The crossed circle moves one place to the right each time and then begins again from the left.

Rule 3: The blank circle moves one place clockwise each time.

24. The Right Option is D

Rule 1: The square rotates 45° each time

Rule 2: Both arrows move one place clockwise around the box each time

Rule 1: The arrows always point in opposite directions

25. The Right Answer is B

Rule 1: The shape rotates 90° counterclockwise

each time.

Rule 2: The shape alternates between shaded and unshaded.

Rule 3: The shape moves from top left, to middle right, to bottom left and then repeats.

26. The Right Answer is A

Rule 1: The shaded block moves one place to the right each time and then begins again from the left.

Rule 2: The cross alternates between the top and bottom of the shape.

Rule 3: The circle moves one place clockwise every two boxes.

27. The Right Answer is C

Rule 1: The outer circle rotates 45° counterclockwise each time. Rule 2: The shape inside the circle rotates 90° counterclockwise each time.

Rule 3: The shape inside the circle alternates between shaded and unshaded.

28. The Right Answer is D

Rule 1: The horizontally barred square moves one place clockwise around the box each time.

Rule 2: The bars on the horizontally barred square alternate between shaded and unshaded.

Rule 3: The vertically barred square moves up one place each time, then begins again from the bottom.

29. The Right Answer is C

Rule 1: The rows of triangles move clockwise to the next edge of the box each time. The row of six triangles is always closest to the edge.

Rule 2: The triangles alternate between pointing to the centre of the box, and pointing away from the box.

Rule 3: The total number of shaded triangles increases by one each time

30. The Right Answer is E

Rule 1: The small circle rotates counterclockwise one place, then two places, then three places and so on.

Rule 2: The middle circle moves one place clockwise around the large circle.

Rule 3: The shading alternates between the large, middle and small circle, in that order, and then repeats.

31. Annual Profit = Annual Income – Annual Expense

550,000 – 50,000

500,000

V.A.T on Annual Profit = 5% of 500,000

= 25,000

32. Annual Profit = Annual Expense – Annual Income

= 780,000 – 70,000

= 710,000

Since V.A.T was avoided the V.A.T percentage = 7% of 710,000

= 49,000 For both year it will be = 49,700 + 49,700

= 99,400 (E)

33. Annual Expense reduced by 10% = $0.90 \times 45,000$

$$= 40,500$$

$$\text{Annual Profit} = \text{Annual Income} - \text{Annual Expense}$$

$$= 500,000 - 40,500$$

$$= 459,500$$

$$\text{V.A.T} = 5\% \text{ of } 459,000$$

$$= 22,975 \text{ (A)}$$

$$34. \text{ Annual Profit} = \text{Annual Income} - \text{Annual Expense}$$

$$= 500,000 - 45,000$$

$$= 455,000$$

$$\text{V.A.T} = 5\% \text{ of } 455,000$$

$$= 22,750$$

$$\text{Deviation} = 32,000 - 22,750 = 9,250 \text{ (C)}$$

$$35. \text{ Income increase by } 10\% \text{ in } 2013 = 1.10 \times 550,000 = 605,000$$

$$\text{Income increase by } 10\% \text{ in } 2014 = 1.10 \times 605,000 = 665,500$$

$$\text{Expense increase by } 5\% \text{ in } 2013 = 1.05 \times 50,000 = 52,500$$

$$\text{Expense increase by } 5\% \text{ in } 2014 = 1.05 \times 50,000 = 55,125$$

$$\text{Profit} = \text{Annual Income (2014)} - \text{Annual Expense (2014)}$$

$$= 665,500 - 55,125$$

$$= 609,875$$

$$\text{V.A.T in } 2014 = 5\% \text{ of } 609,875$$

$$= 30,493.75$$

36. Step 1 – Calculate each product's average sales per European store

$$DE45 = 21,000/26 = 808$$

$$PU20 = 30,000/19 = 1,579$$

$$AE25 = 24,500/11 = 2,227 \quad PU10 = 18,700/9 = 2,078$$

$$FD24 = 14,700/13 = 1,131$$

Step 2 – Calculate each product's average sales per non-European store

$$DE45 = 35,000/14 = 2,500$$

$$PU20 = 20,000/9 = 2,222$$

$$AE25 = 13,000/6 = 2,167$$

$$PU10 = 24,000/5 = 4,800$$

$$FD24 = 9,000/7 = 1,286$$

Thus the correct answer is (C) FD24 (non-European); AE25 (European)

37. The information that you need is shown in both tables. Note from the possible answers it doesn't matter which is the greater, we just need the difference.

Tip: If you struggle with the term "X to the \$" and you sometimes multiply when you should divide by the conversion, think of an extreme example. So think of a two currencies that have very

Different strengths, for example Zimbabwean Dollar to the British Pound. It doesn't matter what the values are but you know there are lots of ZWDs to the BGP and you also know that the same product will cost a lot more ZWDs than GBP. Hopefully that will help you decide if currency A should be a higher number than currency B, or vice versa.

Step 1 – Read from the table the AE25 price per product unit (non-European stores) = \$130

Step 2 – Calculate the AE25 price per product unit (European stores) = 200 / 0.80 = \$250

Step 3 – Calculate the difference between the two \$250 - \$130 = \$120

Thus the correct answer is (B) \$120

38. The information that you need is shown in both tables

Step 1 – Calculate AE25's non-European sales in Euros $\$13,000 \times 0.75 = 9,750$

Step 2 – Calculate AE25's combined European and non-European sales

$$9,750 + 24,500 = 34,250$$

Step 3 – Calculate the discrepancy against target sales $40,000 - 34,250 = 5,750$

Thus the correct answer is (D) 5,750

39. The information that you need is shown in both tables.

Step 1 – Calculate the number of sales per product (non-European stores)

	Product unit sales
DE45	$35,000/175 = 200$
PU20	$20,000/200 = 100$
AE25	$13,000/130 = 100$
PU10	$24,000/150 = 160$
FD24	$9,000/180 = 50$

Step 2 – Calculate the number of sales per product (European stores)

DE45	145	$21,000/150 = 140$
PU20	185	$30,000/160 = 187.5$

AE25	240	$24,500/200 = 122.5$
PU10	110	$18,700/110 = 170$

40. The information that we need is shown in the first table (non-European stores)

Step 1 – Calculate the 3 for the price of 2 promotional offers DE45
 promotional price per unit = $2/3 \times \$175 = \116.67 PU20 promotional
 price per unit = $2/3 \times \$200 = \133.33

Step 2 – Calculate the 4 for the price of 3 promotional offers PU10
 promotional price per unit = $3/4 \times \$150 = \112.50 FD24 promotional
 price per unit = $3/4 \times \$180 = \135.00

Step 3 – Put these promotional prices into order alongside the fifth
 product (AE25) priced at \$130 and not on promotion
 Thus the correct answer is (C) PU10, DE45, AE25, PU20, FD24

41. Step 1 – Looking at the employee totals there are only two
 Subsidiary Companies that could have an average of 1,553
 employees across three years: Subsidiary Companies 1 and 4. The
 answer options include Subsidiary Companies 1 and 4, as well as
 (E) None of these.

Step 2 - Calculate the average number of employees for answer
 options (A) – (D) 2005-2007 Subsidiary 1 = 1,565
 2006-2008 Subsidiary
 1 = 1,581 2007-
 2009 Subsidiary 4 =
 1,553 2007-2009
 Subsidiary 1 = 1,591

42. **Step 1** – Calculate the number of employees in the smaller region
 $1,548/3 = 516$ employees

45. Step 1 – Calculate the total employees in 2009 $1,614 + 962 + 1,412 + 1,583 + 1,029 = 6,600$

Step 2 – Calculate the number of full-time employees

Number of employees = Full-time employees + part-time employees
 $6,600 =$

$$100\% = x\% + 5\%$$

Full-time employees = 95%

Step 3 – Calculate the difference in the % of part-time employees to full-time employees $95\% - 5\% = 90\%$

Step 4 – Calculate the difference

$$6,600 \times 90\% = 5,940$$

Thus the correct answer is (E) 5,940

46. Step 1 - The fraction is $614/24,600 = 1/40$.

Tip - You should be able to recognize that your calculator answer of 0.02496 is approximately ten times smaller than 0.25 and thus from the available answers select 1/40. Thus the correct answer is (A) 1/40

47. Step 1 - Calculate the % change in asset values, as shown below.
Work out the figures for only the options given, to save time.

Assets at end of financial year	2009 (£million)	2007 (£million)	Difference	% change
Liquid Assets	10214	10735	521	- 4.85
Loans Made	24600	21973.5	2626.5	11.95
Fixed Assets	614	541.5	72.5	13.39

Thus the correct answer is (D) Fixed Assets

48. Step 1 - Calculate the changes in 2009 figures for Loans Made;
and both Derivatives and Fixed Assets

Loans made; $24,600 / 8 = - 3,075$

Derivatives; $512 \times 5\% = + 25.6$

Fixed Assets; $614 \times 5\% = + 30.7$

Step 2 - Calculate the overall impact

$3075 \text{ (Loans Made)} + 25.6 \text{ (Derivatives)} + 30.7 \text{ (Fixed Assets)} = - 3,018.7$

Thus the correct answer is (B) 3,018.70 decrease

49. Step 1 - Calculate the % change in value between 2008-2009, as follows;

	2009	2008	% change
Reserve Liabilities	111.6	124	-10%
Borrowings	1389.6	1544	-10%
Share Liabilities	1958	1628	20%
Other Liabilities	41.8	35	19%

Thus the correct answer is (B) Borrowings, Reserve Liabilities

50. Step 1 - Put the figures into a ratio:

$$124:132 = 31:33$$

Thus the correct answer is (D) 31:33

Ability Test 4

1. False – while accepting that changes in approach are sometimes necessary (“If new developments do arise...”) the passage states that: “The perfect PR message will be consistent, with each new approach reinforcing the key objectives of the company.”

2. Cannot say – while the passage states that disclosure of company history is important (“The client should disclose detailed information to the PR officer, including the company's history”) it is not explicitly stated anywhere that failing to do this will directly and by itself result in the failure of the PR campaign. However, neither is it stated that failure will not result from no disclosure, so any definite answer to this question would rely on inferences which are not directly confirmed by the passage.

3. False – The passage states: “Seizing opportunities when they arise is key to the success of the campaign.”

4. False – in direct contradiction to the statement above, the passage states, “It is also useful to know something of the history and development of the company, as well as being aware of its present reputation.”

5. True – the passage states, “Confidence in a product depends in part on confidence in the integrity, competence, and commitment [i.e., personal traits and abilities] of those who manufacture and distribute that product.” The statement above is therefore correct

6. True – the passage states that “this information”, i.e., the knowledge of company history and policies described earlier in the paragraph and referred to in the question, “can help to form the basis of an effective sales pitch.”

7. Cannot say - The passage raises this issue as part of a much broader debate and singles out the surveillance of public places as less invasive.

8. True - All three issues are raised in the passage.

9. Cannot say - The passage raises this point but doesn't state explicitly that CCTV surveillance is therefore "difficult to justify".

10. True - This can be inferred from the fifth sentence's "in particular".

Choose a word or group of words that can replace the underlined words in the sentence

11. Deterrent in the context means Discouragement (C)

12. In the context, crossed the Rubicon means to have Reached a point of no return (A)

13. The Right Option is Prone to stealing (C)

14. The Right option is Were dismissed (A)

15. The Right option is A breach of the law (A). To say a trespass or an offence of the law is not grammatically correct.

16. Step 1 – Calculate the annual income for each year

Income	2009	2008	2007	2006
Net interest	325.2	309.5	319.7	313.8
Other income	64.2	51.8	52	51.7
Fair value gains	18	39.9	29.7	31.1
TOTALS	407.4	401.2	401.4	396.6

Step 2 - Calculate the average by dividing the overall total for all 4 years by 4

$$(407.4 + 401.2 + 401.4 + 396.6)/4 = 401.65$$

Step 3 - To the nearest million = £402 million

Thus the correct answer is (C) £402 million

17. Step 1 – Calculate the % change in Profit before Tax as shown in bold below;

2009	2008	2007
114.6	112.4	109.4
$100\% \times (114.6 - 112.4)/112.4$	$100\% \times (112.4 - 109.4)/109.4$	$100\% \times (109.4 - 107.2)/107.2$
= 1.96%	= 2.74%	= 2.05%

Thus the correct answer is (B) 2007, 2008

18. **Step 1** – Calculate the increase in Admin costs $277.8 \times .25 = 69.45$

Step 2 – Calculate the increase in Net Interest $325.2 \times 2.5\%/100 = 8.13$

Step 3 – Calculate the new Profit before Tax using the 2009 Profit Before Tax as the starting point

$$114.6 - 69.45 + 8.13 = 53.28$$

Thus the correct answer is (A) £53.28 million

19. **Step 1** - The total Admin Costs and Loan Impairment Costs are as follows:

	2009	2008	2007	2006
Admin costs	277.8	231	285.9	283.5
Loan impairment costs	15	57.8	6.1	5.9
TOTALS	292.8	288.8	292	289.4

20. **Step 1** – Calculate the average Profit Before Tax across 2006-2009 $(114.6 + 112.4 + 109.4 + 107.2)/4 = 110.9$

21. **Step 1** – Have a quick look at the data to see if this can be seen by inspection. In this case, it is unlikely you can 'see' the answer before doing some number-crunching. Calculate the expense budget per member of staff for each department.

$$6,500 / 3 = £2,167$$

$$16,000 / 6 = \text{£}2,667$$
$$22,500 / 12 = \text{£}1,875$$
$$4,500 / 5 = \text{£}900$$

Thus the correct answer is (E), Finance

22. Step 1 – Calculate the quarterly expense budgets for each Department

(excluding IT which is not shown in the answer options)

$$\text{HR: } 6,500 / 4 = 1,625$$

$$\text{Marketing: } 16,000 / 4 = 4,000$$

$$\text{Sales: } 22,500 / 4 = 5,625$$

$$\text{Finance: } 20,000 / 4 = 5,000$$

$$\text{R\&D: } 6,000 / 4 = 1,500$$

Step 2 – Compare to the Quarter 4 figures for each Dept.

$$\text{HR: } 1,625 - 1,346 = \text{£}279$$

Marketing is over budget

$$\text{Sales: } 5,625 - 5,245 = \text{£}380$$

$$\text{Finance: } 5,000 - 4,463 = \text{£}537$$

R&D is over budget

Thus the correct answer is (D), Finance

23. Step 1 – Although the annual expense budget is provided, we are not told what the quarterly expense budget is. The table provides data for the annual expense budget and the quarterly expenses, without any mention of what the quarterly expense budget may be, since it cannot be assumed that the annual budget is spread equally over each quarter. Therefore we cannot accurately ascertain 60% of the quarterly budget based on the data provided.

Thus the correct answer is (E), Can't tell from the data

24. Step 1 – Total the Finance Department's expenses for all 4 quarters $4,257 + 4,830 + 4,545 + 4,463 = 18,095$

Step 2 – Calculate the % for which there are receipts
 $14,476 / 18,095 = 80\%$

Step 3 - Calculate the % for which there are no receipts $100 - 80 = 20\%$

25. Step 1 – Calculate the % change by Department between Quarters 3-4
HR: $(1,346 - 1,305) / 1,305 = 3.14\%$.

Note: some people find it quicker to calculate $1,346 / 1,305 = 1.0314$

Marketing: $(4,309 - 3,652) / 4,309 = 17.99\%$

Sales: $(5,245 - 5,091) / 5,245 = 3.02\%$

IT: $(956 - 938) / 956 = 1.92\%$

R&D: $(1,821 - 1,755) / 1,821 = 3.76\%$

Step 2 – Calculate the next quarter's expenses for each department

HR: $103.14\% \times 1,346 = 1,388$

Marketing: $4,309 \times 117.99\% = 5,084$

Sales: $5,245 \times 103.02\% = 5,403.7$

IT: $956 \times 101.92\% = 974$ Finance:

$4,463 \times 98.2\% = 4,383$

R&D: $1,821 \times 103.76\% = 1,889$

Step 3 - Calculate the next quarter's total expenses $1,388 + 5,084 +$

$5,404 + 974 + 4,383 +$

$1,889 = £19,122$

Thus the correct answer is (B), £19,100

26. Represent Adam with A

Represent Judy with J

Judy now is twice as old as Adam $J = 2A$ Six years ago

$$J-6 = 5(A-6)$$

$$\text{Therefore, } J-6 = 5A - 30$$

$$J-6 = 5(J/2) - 30$$

Multiply through by 2

$$2(J-6) = 5J-60 \quad 2J-12 = 5J-60$$

$$-12+60 = 5J-60$$

$$48 = 3J$$

$$J = 48/3$$

$$J = 16 \text{ (B)}$$

$$27. \quad \text{The Rate} = \text{Pages/Minutes} = 24/15 = X/40$$

$$15X = 24 \times 40$$

$$X = 960/15$$

$$X = 64 \text{ pages (A)}$$

28. Logic: More boys will shovel the driveway in less time.

Therefore: Boys is inversely proportional to Time ($\text{Boys} \propto 1/\text{Time}$)

Let B = Boys

Let T = Time

Boys $\propto 1/\text{Time}$. Insert your constant

$$B = K/T$$

$$4 = K/2$$

$$K = 4 \times 2 = 8$$

Therefore for 5 boys you will have $5 = 8/T$

$$T = 8/5 \text{ hours}$$

$$\text{In Minutes} = 8/5 \times 60 = 96 \text{ (B)}$$

29. Let T = Total

S = Spanish

F = French

$$N(T) = N(S)\text{only} + N(S\&F)\text{only} + N(F) + N(S\&F)\text{neither}$$

$$410 = (240-x) + x + 180-x + 25$$

$$410 = 445 - x$$

$$X = 445 - 410$$

$$X = 35 \text{ (C)}$$

30. Let T = Total number of cards he had originally Before Brian gave out any card, he had 100%

He gave out 20% to Scott – So Brian is left with 80%

He gave out 15% to Adams – Brian is left with 65%

65% represents 520 Cards

$$\text{Therefore } 65/100 \times T = 520$$

$$0.65 \times T = 520$$

$$X = 520/0.65$$

$$X = 800$$

He had 800 cards before he started sharing

The following 5 Questions are General Knowledge Questions:

31. **Right Option is Depositor's Attention Required (A)**

32. **The Right Option is July 4, 2009 (A)**

33. They were 89 banks before the capitalization program (C)

34. The Right Option is E

35. 159 Litres is equivalent to one baron of crude oil(A)

36. To get a clearer picture, let's represents the names with alphabet Olu = O, Tayo = T, Kunle = K and Simbi = S

O>K>T also S>T. The two options that meets the eye as correct are option A and C. But C is wrong because we cannot say for sure if Kunle and Simbi run at the same speed even if they both have speeds that are greater than that of Tayo.

Therefore, the right option is Olu runs faster than Simbi (A)

37. The Right Option is D. We need more clarification to their views.

38. The Best Option is D

If the statement about oil-supply disruption is true, domestic oil prices in an open-market country will rise when an oil-supply disruption causes increased international oil prices. A reduction in the amount of oil an open-market country consumes could reduce the economic impact of these increases. D gives a way to reduce oil consumption and is thus the best answer. A and E describe policies that could actually increase the long-term impact of international oil prices, so neither of these choices is appropriate. No relationship is established between the economic impact and either the number of oil tankers or diplomatic relations in B and C, so neither of these choices is appropriate.

39. B is the best option.

The incomplete passage calls for an explanation of why price-reduction and mass marketing methods should not be used for premium products. B, which states that sales of these products require that they appear specials, provides such an explanation. Therefore, B is the best answer. No other choice offers an appropriate explanation. The diminishing proportion of affluent buyers cited in A argues for using price reductions to attract buyers of lesser means. C suggests that purchasers of premium products find reduced prices attractive, and it has not been established that the methods affect quality or perception of quality. D argues for, rather than against, using mass marketing. E is inappropriate, since there is no indication that manufacturing costs are relevant.

40. C is the best Option

On the basis of an observed correlation between arms testing and people's tendency to save money, the argument concludes that there is a causal connection between a perception of threat and the tendency not to save. That connection cannot be made unless C, linking the perception of threat to the amount of testing being done, is assumed to be true. Therefore, C is the best answer. The conclusion does not depend on there having been an increase in the perceived threat over time or on how many people supported the development of nuclear arms. Hence, neither of A and B is assumed. The argument does not deal with those who supported arms limitations or with the availability of consumer goods. Thus, D and E are not assumed.

42. The Best Option is D

If increased HDL levels cause reduced cholesterol levels and if a certain program increases HDL levels in some individuals, it follows that some individuals who undertake that program achieve reduced

cholesterol levels. D is thus correctly inferable and the best answer. A cannot be correctly inferred because the statements do not establish any connection between being underweight and levels of cholesterol. Neither of B and E is inferable, since there is no indication that exercise alone is either necessary or sufficient to increase HDL levels or to decrease cholesterol levels. C is inappropriate because other methods of cholesterol reduction are not addressed.

43. The Best Option is E

The home builder reasons from evidence about most residential fires to a conclusion about the effectiveness of sprinklers in preventing property damage. But this reasoning is faulty because of the possibility that most of the property damage results from the minority of fires excluded from the builder's evidence.

That possibility is realized if E is true. Thus, E is the best answer.

$$\text{Q44 CROSS8} + \text{TRIANGLE10} = \text{CIRCLE2}$$

$$\text{TRIANGLE20} + \text{CROSS14} = \text{SQUARE6}$$

$$\text{SQUARE4} + \text{CIRCLE2} = \text{DIAMOND48}$$

$$\text{CIRCLE6} + \text{SQUARE4} = \text{DIAMOND?}$$

The Value of DIAMOND is

A. 2 B. 4 C. 6 D. 8 E. 10

The Bolden figure are the answers of each equation

$$-8 + 10 = 2$$

$$20 - 14 = 6$$

$$4 + 2 = 6$$

The Value of DIAMOND is 6

45. B is the best option

Since Dave's comments don't challenge what Sue says, we can eliminate answers E and C (mitigate = lessen). His comments reinforce what she says and so A sounds tempting but is wrong

since Dave talks about pollution in general and doesn't mention carbon dioxide. Of the remaining choices, B is best since Dave does give information that suggests, like Sue, that we should take fewer flights. (D is incorrect mainly because Dave is not talking about the 'effect' of pollution. Note how careful you have to be that all the words in an answer are exactly right.

46. The Best Option is D

In critical reasoning questions many of the answer choices can be factually correct or reasonable sounding, and so eliminating without understanding the question is not possible. Your job is to find the best answer to the specific question, so read carefully. A fallacy in the logic is an error in the thinking behind the proposal. The person concludes that if you wait for a run of five of the same color and then bet against the color, you WILL win. Now the logic behind that suggests that the probability of getting that same color again is low. But just as tossing a fair coin always gives an even chance of a head or tail no matter what has gone before, the probability of getting a color is always the same no matter what has gone before.

47. To defend itself against a charge of discrimination the company will have to show its selections were made on the basis of merit not sex. The best way to do that is to show that none of the women who were rejected had better qualifications than the men who were appointed. Answer E implies just that but without specifying the sex of the rejected applicants

48. The Best Option is A

An assumption is an unstated premise. So we are looking for something that is implied in the argument, and if wrong, will undermine the argument. All that the speaker implies is that Josh is efficient because he has twenty years of practice, and so answer A is correct. Eliminate B because the word 'identical' is not implied. Eliminate C because we are talking about typing not the whole 'job profile'. The argument claims that Josh is efficient but without

defining efficiency we cannot assume that it involves both speed and accuracy, and certainly 'outstandingly' is not warranted. Nothing is implied about fitting into the office.

49. Those critics who reject the idea of pensions for ex-prisoners are rejecting the scheme 'instinctively' because they do not want to 'reward' crime. So for these people it is more important to be seen to oppose crime than it is to be seen to reduce the chances of the offenders committing a crime. This does not mean that they do not attach importance to crime prevention (eliminate C), nor that they are too concerned with money (eliminate D). The issue is more about punishing criminals, and so punishment is more important than crime prevention (correct answer B). 'Emotion' is not the issue so A is incorrect, and so is E which does not follow from anything in the argument.

50. The Best option is B

Munchon's contention is that buying their products safeguards health. To weaken that argument we can show that, for some reason, their foods might not be healthy. Munchon claims that the products are healthy because they contain only 'natural ingredients'. But bacteria and molds are 'natural' as are certain poisons derived from plants! Hence the word 'natural' is no guarantee of healthful properties

Ability Test 5

1. False - The fourth sentence says "The ESA controls the funding of existing activities such as the Planar rocket". So if the activities are "existing" they must have already started, even if it is just concept stage.

2. Cannot say - The third sentence says "Each state contributes funding according to its own economic strength". However gross

3. True - The fifth sentence tells us that "Some of the projects are compulsory but others are not". So if a project is compulsory, we are being told that member states must contribute in some way.

4. Cannot say - The first sentence says that "Some commentators argue that governments should be boosting flagging economies by investing in major infrastructure projects". So we are told that this is the view of some people, but this sentence alone does not tell us if the statement is definitely true. Let's look at the rest of the passage. The next sentence says governments should "stimulate the economy" by moving towards a new low-carbon economy. This doesn't really equate to what the statement is saying. And if we read on, nothing in the passage tells us that this statement is definitely true or definitely false. So we have to answer Cannot Say.

5. Cannot say - Whilst this conclusion might be speculated from the contents of the passage, we are not told explicitly that this is what many people expect will happen. It might be what they hope, but the

passage does not tell us that this is or is not the expectation of many people. Thus we have to answer Cannot Say.

6. False - The last sentence says that "No country is untouched by the effects of climate change" so this is False.

7. False - The passage gives offshoring as an example of a particular type of outsourcing, but the two are not the same thing.

8. True - This can be inferred from the statement "encourage underdeveloped countries to invest in the necessary educational infrastructure... required to support such business".

9. - This can be inferred from the last sentence.

10. Cannot say - The passage states that "cost benefits are not always passed on to the consumer". The passage does not say explicitly though whether this has led to a reduction in the cost of consumer goods.

Choose a word or group of words that can replace the underlined words in the sentence

11. The Right option is A

12. That means His Father allowed him to make his own decisions (B).

13. That means she totally believed the story (B)

14. In the context it means An encouragement (B)

15. The Right option is Rebuked (B)

16. Calculate Asset Turnover = Total Sales / Fixed Assets for each month

Jan: $136,000 / 38,000 = 3.58$

Feb: $135,000 / 34,000 = 3.97$

March: $136,500 / 32,000 = 4.27$

April: $156,000 / 45,000 = 3.47$ (D)

May: $145,000 / 40,000 = 3.63$

17. Step 1 – The table shows that $\text{Income} = \text{Total sales} - \text{Operating expenses}$

Step 2 – Calculate June's values for Total sales and Operating expenses
 $\text{Total sales} = 145,000 \times 108\% = 156,600$
 $\text{Operating expenses} = 55,000 \times 93\% = 51,150$

Step 3 – Apply the formula $\text{Income} = \text{Total sales} - \text{Operating expenses}$
 $\text{Income} = 156,600 - 51,150 = \text{£}105,450$

Thus the correct answer is (A), £105,450

18. Step 1 – Use the equation provided to calculate the working capital for each month
 $\text{Working Capital to Total Assets ratio} = (\text{Current Assets} - \text{Liabilities}) / \text{Total Assets}$

January: $(66,500 - 34,400) / 140,500 = 0.23$

February: $(63,000 - 35,600) / 132,500 = 0.21$

March: $(65,000 - 33,000) / 133,000 = 0.24$

April: $(68,000 - 35,000) / 151,000 = 0.22$ May: $(66,000 - 33,500) / 142,500 = 0.23$

Thus the correct answer is (C), March

19. Enter the Total assets figures for April to June into an equation, where z = Total assets in June.

$$151,000 + 142,500 + z = 150,000 \times 3$$

$$z = 450,000 - 151,000 - 142,500 =$$

$$156,500$$

Thus the correct answer is (E), £156,500

20. Step 1 – Calculate the total sales for Jan – May

$$136,000 + 135,000 + 136,500 + 156,000 + 145,000 = 708,500$$

Step 2 – Since the monthly average is the same, multiply this figure by 12 / 5

$$708,500 \times 12 / 5 = £1,700,400$$

Thus the correct answer is (C), £1,700,400

21. Step 1 - Calculate the % difference between the manufacturing cost and the design cost (relative to manufacturing cost) for each laptop as shown below:

Faze	$(120 - 60)/120 = 50\%$
Brete	$(195 - 130)/195 = 33\%$
Adele	$(140 - 90)/140 = 36\%$
Stunn	$(145 - 115)/145 = 21\%$
Adelphi	$(165 - 60)/165 = 64\%$

Thus the correct answer is (E) None of these

22. **Step 1** – For each laptop model calculate the total costs, then deduct this from the price, as shown below:

	Total Cost	Mark-up
Adelphi	$165 + 60 = 225$	$400 - 225 = 175$
Adele	$140 + 90 = 230$	$350 - 230 = 120$
Faze	$120 + 60 = 180$	$380 - 180 = 200$
Stunn	$145 + 115 = 260$	$420 - 260 = 160$
Brete	$195 + 130 = 325$	$650 - 325 = 325$

Thus the correct Answer is (C) Adele, Stunn, Adelphi, Faze, Brete

23. Step 1 – Calculate the total sales value of one of each type of laptop $400 + 350 + 380 + 420 + 650 = 2200$

Step 2 – Divide total monthly sales by this number
 $220,000/2200 = 100$

Thus the correct answer is (C) 100

24. Step 1 – Calculate the sales price for the 4 laptops that are listed as possible answer options, using the column giving sale price fraction of normal price;

	Sale Price (£)
Adele	$= 350 \times 3/4 = 262.5$
Faze	$= 380 \times 2/5 = 152$
Stunn	$= 420 \times 1/2 = 210$
Brete	$= 650 \times 2/3 = 433.33$

Step 2 – Go through answer options (A) to (E) calculating the total amount

(A) 75 Adele laptops = $75 \times 262.5 = \text{£}19,687.50$

(B) 150 Adele laptops at a price further reduced by 60% = 40%
x

$150 \times 262.5 = \text{£}15,750$ (C) 50 Faze and 50 Stunn laptops = $50 \times (152 + 210) = \text{£}18,100$

(D) 45 Brete laptops = $45 \times 433.33 = \text{£}19,499.85$ (E) 90 Stunn laptops = $90 \times 210 = \text{£}18,900.00$

Thus the correct answer is (A) 75 Adele laptops

25. Step 1 – Use the exchange rates to calculate the sale prices in the US and in France in £. US sale price = $\$182.40 / 1.5 = \text{£}121.6$
French sales price = $255.36 / 1.2 = \text{£}212.8$

Step 2 – The Faze sales price in the UK is $2/5 \times \text{£}380$. We now obtain a ratio UK; US; France = 152:121.6:212.8

Step 3 – Simplify the ratio by dividing by the highest common denominator (30.4) $152/30.4: 121.6/30.4: 212.8/30.4 = 5:4:7$

Thus the correct answer is (C) 5:4:7

26. Represent Adam with A

Represent Judy with J

Judy now is twice as old as Adam $J = 2A$

Six years ago $J-6 = 5(A-6)$

Therefore, $J-6 = 5A - 30$

$J-6 = 5(J/2) - 30$

Multiply through by 2

$2(J-6) = 5J-60$

$2J-12 = 5J-60$

$$-12+60 = 5J-60$$

$$48 = 3J$$

$$J = 48/3$$

$$J = 16 \text{ (B)}$$

27. If 4 students failed, then the other $25-4 = 21$.

21 students passed, and $21/25 = 0.84$

84% (A)

28. Assume that a can of soup used to cost ₦1 and that it now costs ₦1.20 (by 20% increase). Then 300 cans of soup used to cost ₦300. Therefore, how many cans can be bought for ₦300?

$$\text{₦ } 300/1.20 = \text{₦ } 250 \text{ (C)}$$

29. This is a rate problem. The more the patients, the less the days the drugs can last. So Patients is indirectly proportional to Days (Patients $\propto 1/\text{Days}$)

Let P represent Pills

Let D represent Days

$$P \propto 1/D$$

$$P = K/D \text{ (Where K = constant)}$$

$$PD = K$$

$$10 \times 14 = K$$

$$K = 140$$

Using the equation $PD = K$

For 35 patients, the pills will last for $35 \times D = 140 \Rightarrow D = 140/35 = 4 \text{ (A)}$

30. Set up a proportion: $72 \text{ pages}/1 \text{ hr} = 72 \text{ pages}/60 \text{ mins}$
 $= x \text{ pages}/72 \text{ minutes}$
 $72 \text{ pages}/60 \text{ mins} = x \text{ pages}/72 \text{ minutes}$
Therefore $72 \times 72 = 60x$
 $X = 5184/60$ $X = 86.4$ (B)

31. The Right Option is Islamic Bank (A)

32. The Right Option is Central Bank (E)

33. The Right Option is 420 billions (C)

34. The Right Option is 1999 – 2004

Pls don't mistake J.O sanusi for Lamido Sanusi, they are different individuals

35. Minor is an under aged person (below eighteen) C

36. Choice D is correct- there is a big difference between owning a cat, and feeding cats. Old ladies might be feeding stray cats more than families do, which supports the popular belief despite the given facts. Choice A is wrong because other demographic groups would not affect the claim at all. Option B is wrong because the popular belief idea is necessary for the claim, and the first portion of the text might be based on research. Option C is wrong because the types and ages of cats is completely irrelevant. Option E might produce some bias, but otherwise it doesn't not really point out any flaws.

37. The Best Option is E

Choice A is wrong, because as long as a sample is representative, the value of inflation should be accurate. Choice B is wrong because first, we don't have values that stretch back 3 years, and even if true, this would keep the inflation value down, not bring it back up. Option C is wrong because if government intervention cannot affect the inflation, you would expect it to stay the same. Choice D is also wrong, because even though you might argue that a 15-year low might be expected to be a one-time occurrence, so the figures are likely to rise again, this isn't refuting a downward trend which might lead to even lower figures. Finally, answer E is the correct one- it suggests that an economic crisis kept values down this year specifically, but since the crisis will be over by next year, inflation will likely go back up.

38. The question stem asks you to pick the choice from which the statement can be derived, and that's (E). If, as (E) says, anyone who is German is an idealist except for Marx, then all Germans except for Marx are idealists. That being the case, it would certainly be true that, as the stimulus says, with the exception of Marx, all German philosopher—being a subset of all Germans—are idealists. While this may sound absurd, we're concerned with strict logic here, not content.

39. Situation: The passage claims that most people involved in espionage, or spying, on their own country are driven by irrational desires. The passage also claims that espionage is a self-destructive behavior.

Reasoning: Which of the following is an assumption on which the argument depends? The first sentence lists the reasons that most people commit espionage and claims that all of these reasons are a result of irrational desires. This idea is continued in the second

sentence, which claims that anyone thinking rationally would not engage in what the passage deems self-destructive behavior.

Option C correctly identifies the assumption that no one involved in espionage is thinking clearly. The argument in the passage could be severely weakened if it could be demonstrated that some people are thinking rationally when they commit espionage

40. The Best Option is E

If the two professor is strict about grades she might possibly still make unfair demands (A) and also have favorites (B). It is possible that she acquired this tendency recently(C), it is possible that few of her students deserved good grades (D), but the fact that she NEVER gives out grades of A could quite possibly label her as being very strict when it comes to giving out grades

41. The Best Option is D

The Conclusion that some substance found in Serum D causes jungle fever would be greatly strengthened if the substance and the fever were invariably found together, as stated in choice E. Choice A does not help to establish the cause E. Choice A does not help to establish the cause of the high rate of jungle fever in the experimental group. Choice B would weaken the original argument not strengthen it. Choice C and E would neither weaken nor strengthen the argument.

42. The Right Option is B

Each of the other answer statements could help to explain either the discrepancy between the various studies of TV violence or the apparent cause-and-effect relationship between TV violence and real life violence. Only

choice (B) does neither; It sharpens the apparent contradiction among the various studies without helping to explain it.

43. The Best Option is D

The correct answer is D because it is the only answer that clearly suggests a drawback to our reliance on automobiles rather than horses for transportation.

44. The Best Option is C

The exact nature of the relationship between the shift from rural to urban living and the change in Americans' choice of pets can't be determined based simply on the information given. All we can tell is that, in fact, more Americans are choosing cats as pets than dogs as pets

45. The Right Option is C

Ann's response would be appropriate only if Mary had said, —All of the students at state College come from Midland High. That is why (C) is correct. (D) is wrong because they are talking about the background of the students, not the reputations of the schools. (E) is wrong, for the question is from where the students at State College come. (B) is superficially relevant to the exchange, but it, too, is incorrect. Ann would not reply to this statement, had Mary made it, in the way she did reply. Rather, she would have said, —No, there are some Midland students at State College. Mary had said, —None of the students from North Hills attend State College but Ann makes neither of these responses, so we know that (A) cannot have been what she thought she heard Mary say.

46. The Best Option is A

The question stem has the form:

All S and AP (All students are Applicants)

Some AP are AC (Some Applicants are accepted)

Some more S are AC. (Some more students are accepted)

47. Notice that (A) preserves very nicely the parallel in the conclusion because it uses the word —more. Thus, the error made in the stem argument (that some more students will be accepted) is preserved in (A):

more apples will be loaded. (B) Has a valid argument form (All S are J; X is an S; therefore, X is a J), so it is not parallel to the sample argument. (C) is not similar for that least two reasons. First, its conclusion is a recommendation (—should), not a factual claim. Second, (C) uses one premise, not two premises as the sample argument does. (D) would have been parallel to the sample argument only if the sample had the conclusion —some more applications must be acted upon. Finally choice (DE) choice (E) contains an argument that is fallacious but the fallacy is not similar to that of the question stem

48. The Best Option is C

Amy points out that Ali assumes that any extraterrestrial visitors to Earth, seeking intelligent life would regard human beings here on Earth as intelligent and therefore contact us. Amy hints that we might not be intelligent enough to interest them in contacting us. This is why (C) is the best option. (A) is wrong. Amy does not miss Ali's point: She understands it very well and criticizes it. (B) is wrong since Amy is not suggesting that Ali is any less intelligent than any other human being, just that the Aliens might regard us all as below the level of intelligence which they are seeking. (D) is more nearly correct than any other choice save (C). (D) does not seem on target; in a way she does examine what internal structure there is – she notes there is a suppressed assumption which is unsound; finally, even assuming that what (D) says is correct, it really does not

49. The Best Option is (C)

The problem with this argument is that it contains no argument at all. Nothing is more frustrating than trying to discuss an issue with someone who will not even make an attempt to prove his case, whose only constructive argument is: —well that is my position; If I am wrong, you prove I am wrong. This is an illegitimate attempt shift the burden of proof. The person who advances the argument naturally has the burden of giving some argument for it. (C) points out this problem. (A) is incorrect because the author uses no group classifications. (B) is incorrect because the author does not introduce any analogy. (D) is a weak version of (C). (E) may or may not be correct, but the information in the passage is not sufficient to allow us to isolate the theory upon which the speaker is operating. Therefore, we cannot conclude that it is or is not discredited.

50. The Best Option is E

This item tests logical deduction. Statement 1 establishes that all batters bunt whenever two conditions are met. Some runners lead off and all infielders play in. Statement 2 establishes that one of the two conditions is met but denies that all batters are bunting. This can only be because the other condition is not met; We cannot conclude as in © that none of the infielders are playing in, only that some are not. Nor can we deduce (D), that all are playing in- for that is logically impossible. Then recalling our earlier discussions, we eliminate (A) and (B)