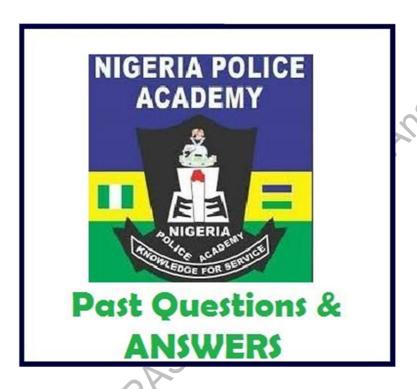
NIGERIAN POLICE ACADEMY WUDIL, KANO

Regular Course past Questions and Answers

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POLAC CURRENT PAST Questions and Answers & Download PDF

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General Course

From the options listed A – D select the word that best fit the questions

- 1. How many ethnic groups do we have in Nigeria? (A) 250 ethnic groups (B) 5 ethnic groups (C) 40 ethnic groups (D) 7 ethnic groups
- 2. Who is the current chief of justices of Nigeria? (A) Buhari (B) President Buhari (c) Prof. Osinbajo (D) Ibrahim Tanko Muhammad
- 3. In Nigeria, democracy day is now celebrated on., (A) 14 April, (B) June 12 (C) Ist October (D) 27 May
- 4. 6. Who is the current Nigeria's Inspector General of Police is? (A) IGP Buhari (B) Adamu Mohammed (C) Lt. Cornel Buratai (D) Adamu Buhari.
- 5. Which African country first gained independence? (A) Nigeria on 1960 (B) U.S.A in 1874 (C) Liberia in 1847 (D) Cameron in 1960
- 6. Who is Nigeria's current speaker of House of Representatives? (A) Prof. Osinbajo. (B) Femi Gbajabiamila (C) Dr. Ngige (C) Hon. Bassey Albert
- 7. Who is Nigeria's Minister of Power? (A) President Buhari (B) Lt. Cornel Buratai (C) Sale Mamman from Taraba State (D) Adamu Mohammed
- 8. 14. Who was the first President of Nigeria ? (A) Chief Dr. Obasinjo (B) Dr. Nnamdi Azikiwe (C) Goodluck Jonathan (D) President Buhari
- 9. 15. Blue in the Nigerian Police flag represents? (A) Affection (B) Unity (C) Love, loyalty and unity (D) Peace.
- 10. Who was Nigeria's first inspector General of Police? (A) Obasinjo (B) Dr. U. w Jonathan (C) Lt. Buratai (D) Mr. C. W. Duncan.
- 11. Who is the current Sultan of Sokoto caliphate? (A) Muhammadu Stephen (B)

 Muhammadu Ngige (C) Muhammadu Salad Abubakar (D) Muhammadu Gregory
- 12. Who is the current Governor of Central Bank of Nigeria? (A) Mr. Godwin Udom (B) Godwin Emefiele (C) Dr. Jonathan (D) Dr. Peters Peters

- 13. Who is Nigeria's Minister of Education? (A) Adamu Adamu from Bauchi State (B) Dr. Gregory from Kaduna (C) Dr. Peters from Akwa Ibom (D) Prof. Martins for Enugu.
- 14. When did Nigeria break diplomatic relations with Israel? (A) 1995 (B) 1975 (C) 1972(D) 1984
- 15. 29. Who is the current Senate President of Nigeria? (A) Ahmed Ibrahim Lawan (B)
 Abubakah Ibrahim Lawan (C) Muhammed Ibrahim Lawan (D) Ibrahim Lawan David
- 16. Who was the first Senate President of Nigeria? (A) Bassey Albert (B) Chief Dr. Obasinio (C) Dr. Nnamdi Azikiwe (D) Prof. Osinbajo
- 17. Who was the first governor-general of colonial Nigeria? (A) Lord Lugard (B) Obama (C) Herbert Macaulay (D) Martins David

10/1

- 18. How many Local Government Areas are in Nigeria? (A) 189 B) 950 (C) 752 (D) 774
- 19. Which state in Nigeria has the largest number of Local Government Areas? (A)
 Kano State (B) Akwa Ibom Stae (C) Delta State (D) Lagos State
- 20. When did the Federal Military Government abolish the four regions? (A) 1966 (B) 1960 (C) 1974 (D) 1990
- 21. 46. How many countries constitute the Economic Community of West African States? (A) 14 (B) 16 (C) 18 (D) 5
- 22. What is the ultimate aim of political parties? (A) To make Law (B) To fight Government (C) To appoint a leader (D) To acquire and exercise power.
- 23. How many states were created by General Yakubu Gowon in Nigeria, May 1967? (A) 12 states (B) 14 States (C) 5 States (D) 10 States.
- 24. Who was the first Executive President of Nigeria? (A) Prsident Buhari (B) President Osinbajo (C) President Sanusi (D) Alhaji Shehu Shagari
- 25. How many regional divisions does Africa have? (A) Five Regional Divisions (B) Ten Regional Divisions (C) Six Regional Divisions (D) Seven Regional Divisions.
- 26. Who is the current managing director of NNPC? (A) Mr. Udom (B) Dr. Tunibu (C) Maikanti Baru (D) Engr. Martins.

- 27. When was the United Nations Organisation formed? (A) 25th April 1945 (B) 27 May 1960 (C) 1st October 1964 (D) 2nd January 1950.
- 28. The first female Brigadier in Nigeria? (A) Peter James (B) Ronke Kale (C) Benard Okorie (D) Clifford Peter
- 29. What is the motto of Nigeria? (A) Love, Peace and Joy (B) Unity and Faith, Peace and Progress (C) Love, Faith, Peace and Joy (D) Unity, Love, Peace and progress.
- 30. Who was Nigeria's First Military Head of State (A) Gen. Gowon (B) Gen. Buhari (C) Gen. Sanusi (D) Gen. Yakubu.
- 31. When was the Central Bank of Nigeria established? (A) 1958 (B) 1950 (C) 1995 (D) 1940.
- 32. When was Nigerian Airforce established? (A) 1990 (B) 1960 (C) 1964 (D) 1970.
- 33. When did the first world war take place? (A) 1913 1914 (B) 1915-2000 (C) 1910-1912 (D) 1914-1919.
- 34. When did the Nigerian civil war begin? (A) May 27, 1960 (B) July 6, 1967 (C)
 October 6, 1960 (D) December 12, 1970
- 35. What is the motto of the Nigerian Police? (A) Police like 50 Naira (B) Police is your friend (C) Police love you (D) Police is your enemy.
- 36. When did the second world war take place? (A) 1995 1999 (B) 1939-1945 (C) 1960 -1970 (D) 1995 1990.
- 37. When was Nigeria declared and recognized as a nation? (A) 27 May 1960 (B) 27 June 1945 (C) October 1, 1960 (D) 2nd June 1960.
- 38. When did the outbreak of American civil war take place? (A) 1990 1998 (B) 1848-1861 (C) 1914 -1915 (D) 1920 -1930
- 39. Who was the National president of Nigeria? (A) Goodluck Jonathan (B) Gowon (C)
 Obasanjo (D) Buhari
- 40. When did Nigeria become a British colony? (A) 1914 (B) 1920 (C) 1960 (D) 1995
- 41. When did the current president of Nigeria resume duties? (A) May 19, 2015 (B) June 19, 2015 (C) July 19, 2015 (A) April 19, 2015

- 42. What is the state of origin of the president of Nigeria? (A) Kano (B) Niger state (C) Sokoto (D) Katsina State
- 43. Who is the Vice President of Nigeria? (A) Oluyemi Osibanjo (B) Osibanjo (C) Oluyemi (D) Prof. Oluyemi Osibanjo.
- 44. Which is the highest court of law in Nigeria? (A) High Court (B) Customary Court (C) Supreme court (D) Majestry court.
- 45. Who designed the Nigerian flag? (A) Michael Taiwo Akinkunmi (B) Taiwo (C) Akinkunmi (D) Michael
- 46. What do the two horses on the Nigerian coat of arm represent? (A) Love (B) Royalty (C) Dignity (D) Peace.
- Question: Who is the current minister of education? (A) Prof. Osinbajo (B) Prof. 47. Bassey (C) Mr. Peters (D) Adamu Adamu
- Question: Who is the current president of Nigeria? (A) Muhammadu Buhari (B) Prof. 48. Yemi Osinbajo (C) Atiku (D) Peter Obi
- After the defeat of Germany in world war 1, her former colonies were administered 49. under the league of nation as (A) occupy territory (B) trust territories (C) crown colonies (D) protectorates
- **50**. Where is Nigeria Police Academy Located ? (A) Kano (B) Kaduna (C) Jos (D) Sokoto

General Course Answers

- Α
- D 2.
- В
- 4. В C
- В
- 7. D
- В
- 9. С
- 10.
- С 11. В
- 12. 13.
- С 14.
- 15. Α
- 16. 17.
- 18. D
- 19.

21. В 22. D 23. 24. D C 25. 26. 27. Α В 28. 29. В 30. Α Α 31. 32. С 33. D 34. С 35. В 36. В 37. С 38. В 39. С 40. Α 41. Α 42. D D 43. 44. A 45. 46. 47. D 48. Α 49. В 50.

ENGLISH LANGUAGE

9. 0. 11. 22. 33. 44. 55. 66. 7. 88. 90.	A A C C D C B B B C C A A A D D D C C A C C D A B A B A
7.	DO
8. 9.	A B
).	Ā
	, G
	FUGURAL ANGUAGE
	ENGLISH LANGUAGE
Ch	oose the expression or word which BEST COMPLETES each sentence
	I am intentcontinuing my course
_	A. on B. with C. as D. to E. at
2.	equations use letters to stand for numbers A. Silmultenous B. Simultanous
	C.Simultanous D. Simultaneous
Fro	om the options A to D, choose the expression that is OPPOSITE IN MEANING to the
	derlined word(s).
ა.	Elemi's sagacity contrasted sharply with his friend's A. Timidity B. Wisdom C. Fluency D. Foolishness
4.	Some people keep ferocious animals as pets.
	A. Gentle B. Wild C. Fierce D. Domestic
	om the options listed A – D select the word that best CAPTURES THE MEANING of the
	icized part of the sentences
Э.	Every visitor to Calabar must visit where photographs and artifacts of early European colonial presence in Nigeria are kept
	A. Archives B. Ranch C. Market D. museum
Fro	om the options A to D, choose the expression that is NEAREST IN MEANING to the underlined
wo	
٥.	Ebire's generosity turned out to be her Achilles' heel A. Strong point B. Favourite habit C. Weak point D. Less popular virtue
	A. Strong point b. Favourite habit c. weak point b. Less popular virtue
Ch	oose the expression or word which BEST COMPLETES each sentence
7.	
	A. Inheritance B. Remnants C. Legacies D. Evidence

8.	Ukpabio is proficier	nttailo	oring					
	A. With	B. In	C. Of	D. At				
Ch	Choose the word or phrase that is OPPOSITE IN MEANING to the underlined							
9.	The demonstration	was organized	by hoodlums					
	A. Criminals	B. Activists	C. Thugs	D. Soldiers				
10.	The plaintiff convin	ced the court th	at the murder w	as inadvertent				
	A. Brutal	B. Wicked	C. Careless	D. Premeditate	ed			
11.	The bush burning f	estival will furth	er renew our fo	rest resource				
	A. IncreaseB. Red	uce C. Dep	lete D. Rem	nove				
Ch	oose from the opti	ons lettered A	- E the one that	at has the corre	ect stress with the word			
	given. In each wo	rd only the stre	essed part is ir	n CAPITAL	.6			
12.	Planetarium							
	A. PLAN-e-tar-i-um							
Ch	oose from the opti	ons the word			as the underlined			
	COURTESY			C. Shirt				
			he word that be	st CAPTURES	THE MEANING of the italicized			
	t of the sentences.							
14.	14. Lecturers assisted Prof. Atahiru Jega when Nigerians chose their political leaders							
	A. election B. nomi		• • •	D. selection	· CO.			
15.	Mother always pays							
	A. frivolous B. interes	esting	C. rigid	D. meticulous	C			
Ch	Choose the option that BEST EXPLAINS the information conveyed in the sentences below							

From the options choose the appropriate STRESS pattern. The stressed syllables are written in CAPITAL letters.

B.youths in England are miscreants

16. The rampage in England shows that youths react the same way under provocation

C.youths act the same way when provoked D.youths provoke people in England

A.youths in England are very good

17. Intimacy				
A. INtimacy B. inTlm	acy	C. intiMAcy	D. INTIm	nacy
18. consideration				
 CONsideration B. 	consideration	C. consiDERati	on D. considerAtion	on
From the words lettered	d A – D choose	the word that	rhymes with the	given word
19. purity			•	
A. plentiful B. securi	it∨	C. purify	D. noner	ntity
From the words lettered				
20. beautiful			,	
A. beautify	B. beau	tification	C. dutiful	D. dignify
				stress with the word given. In
each word only the stre				
21. constitutional		· · · · · · · · · · · · · · · · · · ·		45
A.con-sti-tu-tion-AL	B.con-sti-TU-tio	n-al C .CON	-sti-tu-tion-al	D.con-STI-tu-tion-al
22. abnormality	_ 10011 011 10 110		on to hom an	
A. AB-nor-ma-li-ty	R ah-no	r-ma-li-TY	C ah-nor-ma-l l-t	y D. ab-nor-MA-li-ty
				MEANING to the underlined
word	,, onococ the c	Aprossion mai	. IS INLANCOT IN	MEANING to the anaerimea
23. The use of Latin expi	ressions in Fnal	ish is now dato	d	
A. well-established				D. popular
24. His uncle showed aff			iasilioneu	D. populai
A. pretended	B. loving		C. genuine	D doop
From the options choose	D. IUVIIIQ	ion that REST (COMPLETES 020	D. deep
25. I am qualified for the	ich: 2	On that BEST	COMPLETES eac	on Sentence
	Job, ? B . Isn't it	C. aren	24-1	D. ain't I
				D. aiii t i
26. My sister along with h				na
A. are visiting			visiting D. is visiting	
	as the Salvie S	OUND as the c	one represented	by the underlined letter
27. mansion	P loiouro	Coord		D action
•	B.leisure	C.peac	e i	D. action
28. time	P might	C.flip	D illogal	
			D.illegal	ah aantanaa
From the options choose				on sentence.
29. Every student	B. have arrived		arrived D. arrived	
30. The workers present	eu			
A. five pages documC. a five - paged doc	ent	D. IIVe-	paged document	
C. a live - paged doc	ument	D. a five - page	document	MEANING to the underlined
), choose the e	xpression mai	IS NEAREST IN	MEANING to the underlined
word(s).	likabuta awasa	ـا		
31. A dogged student is			0.10	D Data maina d
	B. Clever	C. Curi		D.Determined
Choose the option that				e sentence below
32. When I visited Okon				
A.the only person I v				
B. it was only Okon t	•	•	1	
C.Okon only wanted				
D. All that I gave Oko				_
From the options choose				ch sentence
33. The police				
A. Has drawned B. Ha				
Choose the word that h	as the same so	ound as the on	e represented by	the underlined letter
34. <u>b</u> ook				
A.lamb	B. flock	C.slum	p I	D. club

35.	k <u>e</u> y			
~ !	Akite	B. quay	C.kindred	D. quarter
			completes each sent	
30.	A. to	B. with	ubtwhat to c C. about	D. of
37	The method	does not give the e		D. 01
57.	A. you recommende		C. you told	me D. you sent me
Fro				the meaning of the italicized part
	of the sentences			,5
38.	Wolves are meat ea	nters		
	A. herbivores	B. carnivores		D. omnivores
39.		blished the life stories		
40	A. historian	B. autobiographer	C. writer	D. biographer
40.	A. travelled		d are <i>no longer availab</i> C. hibernated	D. extinct
	A. liavelled	D. migrated	O. Hibernated	D. GAUNCE
Sel	ect the word that bes	st captures the meaning	g of the italicised part of	of the sentence.
41.			e the direct opposite of	
	A. apex B. antithesi	is	C. anathema	D. ambivalence
<i>4</i> 2.				ase sexual desire or potency
	A. Apocryphal	B. Amorous	C. Amorphous	
43.			e, and most of his mov	es were random, based on caprice
	rather than reasonir A. Assiduous	ng B. Astute	C. Arbitrary	D. Acute
14.			shun temptation and a	
т.	A. Deny	B. Devolve	C. Eschew	D. Emulate
	7 tt 2011y	2. 20.0	01 230110	DI Emalate
Cho	oose the expression	or word which best cor	mpletes each sentence) .
45.	By the end of this ye	ear in this tow	n for eleven years	
	A. I'm living	B. I'd be living	C. I have lived	D. I'll have lived
			king use of the best of t	ne five options.
40.	He was reported A. to be assaulting	trie policernari	B. to assault	
	C. assaulting		D. to have assaulted	d .
47.		homeless childre		-
	A. to helping	B. to help	C. with helping	D. helping
48.		looked ill last night and	d evidentlythis	morning.
	A. Worse	B. Worst	C. More ill	D. leaner
۸.۲۰				of all and a fall and
				of all or part of the sentence is given.
			ost appropriate for eacl ust be on deck. This me	
75.	A. should push with			his hands on the deck
	C. must cooperate	The Harlas	D. should take a tes	
50.		vith all the questions as		This means that Kate was:
	A. Familiar with the			me with the questions
X		ome with the questions		d about the questions
51.			an argument. This me	
		oor handle when he ar		ws the handle to fly
	C. Mike easily loses	nis temper	D. IVIIKe can	cope with any argument
Cor	nnlete the following	sentences with the righ	nt antion from the word	s supplied after each sentence.
		out in the hostel, stude		ned out in all directions.
J	A. Crisis	B. Panic	C. Haste	D. Hurry

53.	Astronomers keep a close watch of the night sky in order not to miss theappearance of some stars						
	A. Parallel	B. Periodic	C. Regular	D. Constant			
	oose the word or ph	rase from options A-D wh	nich has the nearest mea	ning to the un	derlined word or		
		used to come to live in La	gos because she prefers	the tranquil lit	fe in the village to		
	A. Sweet	B. Prosperous	C. Peaceful	D. Decent	,5		
55.	A lorry larger than A. As large as an e	an elephant was struck o	n the bridge B. Carrying an elephan	t	(8)		
	C. That looked like		D. Of enormous proport		USMELLS		
		best completes the sente	ence.				
56.	The dentist found t A. Have long deca	that his patient's teeth	_ B. Have long been deca	avod	Y -		
	C. Have long being		D. Had long decayed	ayeu			
57.	In order to catty ou	it the necessary examinat	tion, the dead body was_				
E0	A. Extracted	B. Exhumed	C. Extradited	D. Expelled			
56.	A. To fund	ith a viewa busines B. To funding	C. To be funding	D. To have fu	ınded		
	In question 59, which of the options express the same idea as the one in quote? 59. 'To put something aside' is to A. Put it one's side. B. Put it in a side pocket for future use. C. Keep something for some special purpose. D. Keep in safety.						
Sel	ect the option that b	pest explains the sentence	e:X				
	The painting was b	eautifully faked					
		s a good deceptive replic s deceptively decorated	B. The painting D. The painting		ed and displayed hung		
Fro	m the alternatives p	provided select the one wi	hich best completes the	sentence			
61.		insured? But I wasn't. Bu		•			
62	A. am Since the petition v	B. have been writer did not include his n	C. had been name the vice chancellor	D. was to be refused to ac	ton		
02.		tter	iamo, aro vido oriandonoi	1014004 10 40			
00		B. an anonymous	C. a scandalous	D. a cowardly			
63.	A. works	n ceremony of the univers B. areas	sity was attended by mer C. walks	n from all D. walk	of life		
	A. WOIRS	D. arcas	O. Walks	D. Walk			
		rase from options $A - D v$	which has the nearest me	eaning to the u	inderlined word or		
	rds in each sentenc He should be able						
04.	A. he would be able		B. he ought to be able t	o do it alone			
	C. he has to be ab		D. he will do it alone				
65.	A. without an estat	said to have died intestate	B. in his estate				
	C. without a will		D. in good state				
Fro	m the alternatives p	provided select the one wl	hich best completes the s	sentence			
	If only I	insured? But I wasn't. But	t I have to pay a lot of mo	oney			
	A. am	B. have been	C. had been	D. wa	as to be		

01.	•	vriter did not include h ter	is name, th	ne vice chancello	or refused to act	on
		B. an anonymous	C. a so	candalous	D. a cowardly	
68		ceremony of the univ			,	
٠٠.	A. works	B. areas	C. wal		D. walk	01 1110
		21 4.040	0.		21	
		rase from options A –	D which ha	as the nearest m	neaning to the ur	nderlined word o
	rds in each sentence					C
69.	He should be able		D ba		45 do 14 alona	
	A. he would be able			ought to be able will do it alone	to do it alone	(0)
70	C. he has to be abl			wiii do it alone		N
70.		aid to have died intest e B. in his esta		C. without a w	ill D ina	rood state
	A. without an estate	3 D. III 1115 656	ale	C. Williout a W	III D. III §	good state
In e	each of the following	questions, the word in	n capital le	tter has the emp	hatic stress. Ch	oose the option
		ssion in the sentence.		•		
	The man BOUGHT				VO.	
		paper which the man b	oouaht?	B. Did the mar	n read the news	paper?
	C. Who bought the		g	D. What did th		
72.	The chief RAN to the				25	
	A. Where did the cl			B. Did the chie	ef walk to the pla	ce?
	C. Did the princess			D. Who ran to		
74. Sel	A. hostility lect the word that be	_contrasts with his bro B. laziness ded on an amicable no B. incompat st captures the meani	ote even the cibility	C. labour ough there was C. irresponsibitalicized part of t	ility D. car he sentence	gence _at the beginnir naraderie
, 0.		The area were sain to		ed in <i>double dea</i>	alina	
	A. eschewing	B. effetenes		ed in <i>double dea</i> C. duplicity		oiousn
		B. effetenes				piousn

POLAC CURRENT PAST QUESTIONS and Answers

BIOLOGY

IUL	OG i		
1.	The wavelike motion of the muscles of the	oesophagus to push each	n bolus of food downwards is
	known as	• • • • • •	5 0 1 1 1
2	A. Anti-peristalsis B. Digestion	C. Peristalsis	D. Oesophageal motion
2.	Which of these diseases cannot be controll A. River blindness B. Malaria	C. Polio	
3.	A. River blindness B. Malaria If a tall man (TT) marries a dwarf woman (t		D. Cholera
٥.	to dwarf children?	it) and they have loar crim	arch, what will be the ratio of tall
	A. 0 tall:4 dwarf B. 3 tall:1 dwa	rf C. 2 dwarf:2 tal	D. 4 tall:0 dwarf
4.	The chromosome is found in which organe		
	A. The Nucleus B. The Mitochondria	C. The Vesicle	D. The Cytosol
5.	Photosynthetic organisms are classified as		
_	A. Autotrophs B. Heterotroph	ns C. Herbivorous	D. Omnivorous
6.	Which of the organisms listed below is not	a micro-organism?	D. Vibra alaqua
7	A. Virus B. Tapeworm The nervous system is made up of	C. Coccus	D. Vibro cholera
١.		atas and avarias	~0.
	A. Kidney, bladder and liver B. Tes		
_	C. Brain and spinal cord	D. Muscles and skeleto	ou O.
8.	The synthesis of protein takes place in		\$
_	A. Golgi body B. Ribosome	C. Mitochondria	a D. Nucleus
9.	Mutations involving alterations in the genes		
		ne changes	
		romosomal changes	
10.	Which vertebra has a projection on the cen		
	A. Atlas B. Axis C. The	oracic D. Lum	ber
11.	Deamination occurs in	7	
	A. Kidney B. Pancreas	C. Spleen	D. Liver
12.	The ability of an organisms to live success:	fully in an environment is	known as
	A. Succession B. Resistance	C. Adaptation	D. Competition
13.	The following are connected with the move	ment of a reflex action	
	(1) Central nervous system, (2) Muscle, (3)) Skin, (4) Sensory nerve,	(5) Motor nerve
	Which of the following sequences indicates	s a correct path?	
	A. 1-2-3-4-5 B. 2-1-4-5-3	C. 3-4-1-2-5	D. 3-4-1-5-2
14.	Which of the following statements is NOT t	rue of symbiosis?	
	A. Symbionts must be living	B. It is an association of	of 'give and take'
	C. The association may involve two plants	D. Association between	n two similar species
15.	The deficiency of Vitamin D leads to:		
	A. Scurvy B. Pellagra	C. Rickets	D. Beriberi
16.	Hepatic portal vein is unique because it		
	A. Carries deoxygenated blood	B. Begins and	ends with capillaries
	C. Is the largest vein in mammals	D. Carried digested foo	d
17.	The thoracic vertebrae of a mammal is cha	_	
\bigcirc	A. Vertebraterial canal	B. Prominent n	eural arch
X	C. Prominent neural process	D. Prominent n	eural spine
~			-1 -
18.	A grasshopper respires by means of its		
	A. Lung-books B. Gills C. Lur		cheal tubes
19.	The inactive state exhibited by an animal d		ermed
	A. Aestivation	B. Dormancy	
	C. Resting	D. Hibernation	

20.	Auxins are produced in the	_		
	A. petiole of leaves	B. parenchyma of roots		
	C. epidermis of roots and shoots	D. apical regions of roof	ts and shoots	
21.	Which of the following methods of reproduct	ion is common in Param	ecium and Amo	eba?
	A. Conjugation	B. Sexual reproduction		
	C. Binary Fission	D. Budding		
22.	An example of cryptic coloration is the:	3		
	A. Mottled colours on moths that rest on lich	ens B . Bright colour	of an insect pol	linated flower
	C. Green colour of a plant	21 2.1g. 11 00.00.1	or arr moder per	
	D. Bright marks on a poisonous tropical frog	on variedated leaves		
23	Which of the following organs is responsible		tomporaturo roa	ulation and water
25.	balance in mammals?	Tor controlling the body	lemperature reg	ulation and water
		C Doro	thurs id	D Advance
24	A. Kidney B. Hypothalamu		•	D. Adrenal
24.	A man and his wife are both heterozygous for		e likely percenta	ge of their
	offspring that will either be carriers or 'sickle		\ \ \	
	A. 75%	B. 50%	0	
	C. 25%	D. 100%		
25.	The brain and the spinal cord make up the			
	A. Peripheral nervous system.	B. Autonomic nervous s	system	
	C. Central nervous system.	D. Somatic nervous	(5)	
26.	The hormone which regulates the amount of	f sugar in the blood is		
	A. Thyroxine	B. Auxin	•	
	C. Insulin	D. Adrenalin		
27.	Which of the following is the effect of using a	artificial pollination in plan	nt breeding?	
	A. production of healthy crops	B. improvement of the		
	C. lengthening the maturity time	D. making crops suscep		3
28.	Which of the following processes will not intr			
	A. breathing	B. photosynthesis		. • .
	C. Respiration	D. Putrefaction		
29.	Which of the following does not contribute to		vstem?	
	A. producer's	B. food chain	, 0.0	
	C. consumer's	D. micro-organisms		
30	Which of these diseases cannot be prevented			
٠٠.	A. Onhoccerciasis	B. Poliomyelitis		
	C. Cholera	D. Tuberculosissis		
31	Which of the following specialized structures		nressure nain	heat and cold?
• • • • • • • • • • • • • • • • • • • •	A. receptors B. synapse	C. cell bodies	D. myelin	Troat and colar
32	The process by which plants and animals ar			ehavior in order
02.	to survive is known as	e modifica in structure, p	mysiology and b	CHAVIOL III CIACI
	A. evolution B. adaptation	C. succession	D. hibernation	
33	Thunderstorm can be beneficial to plants be			
55.	A. kills pests that attack crops	B. adds lime to the soil		
	C. adds nitrates to the soil		nilable to plante	
24		D. makes rain water ava		
34.	When large numbers of organisms share lim			
05	A. immigration B. symbiosis	C. extinction	D. competition	
35.	Even though some flowering plants contain	accessory pigments which	on give them col	ors, tney still
	contain the pigment	•	5 4 120	
	A. melanin B. chlorophyll	C. carotene	D. xanthophill	
36.	Which structure in the maize grain stores for			
	A. radicle. B. embryo	C. cytoplasm	D. endosperm	
37.	Which of the following statements is not ass			
	A. There is a struggle for existence	B. There is competition		ring
	C. The weaker offspring's are eliminated	D. Food and other need		
38.	Nitrogen fixing micro-organisms in legumino			
	A. branch roots B. tap roots	C. root	nodules	D. root hairs

39.		of a tissue because the cells 3. Have a similar structure and function 2. are impregnated with keratin
40.	 The phenomenon whereby some organisms with certain known as 	. •
11	A. Partial selection B. Artificial selection 41. Who formulated the theory of natural selection in evol	C. Natural selection D. Mutation
41.		C. Mathias Scheiden D. Charles Darwin
42.	42. Which of the following statements is not correct of res	
	A. Gaseous exchange occurs by diffusion	ry surface by the process of osmosis
	B. Oxygen combines with hemoglobin in the respirato	ry surface
	C. Carbon dioxide produced in the tissues is removed	by the process of osmosis
43	D. there are no special organs of respiration in plants 43. Which of the following constitutes the main internal tis	.~~
٦٥.		C. Vascular tissue D. Lower epidermis
44.	44. Which of the following is an autotrophic mode of nutrit	
	A. Chemosynthesis B. Sapro	
	C. Parasitism D. Symb	iosis
45.	45. Which of the following structures differentiates an anir	nal cell from a plant cell?
		nembrane
	C. Chloroplast D. Mitocl	nondrion
16	46. The change is calcur of the champleon converses as a m	2000
40.	46. The change in colour of the chameleon serves as a management. A. attraction to the opposite sex. B. repuls	ion of the enemy
		tion of body temperature
47.	47. At which of the following stages of mitosis do the two	
	A. early prophase B. teloph	
40	C. Anaphase D. late p	rophase
48.	 The role of dead organic matter in the soil is to A. Make the soil black. B. Increa 	se the mineral salt content.
		use the acidity of the soil.
49.	49. If the petals of a flowering plant are removed, which o	
	affected?	
- 0		C. Germination D. Photosynthesis
50.	 Which of these substances is likely to be deficient in t A. Potassium B. Calcium 	C. lodine D. Sodium
51.	51. Banana, plantain and pineapple can be grouped toge	
	A. produce small seeds B. are multiple from	
	C. produce suckers D. have runners	
52.	 The structure in the cell that controls the movement or A. Cytoplasmic membrane 	r substances in and out or the cell is the 3. Nuclear membrane
	C. Cytoplasm	D. Protoplasm
53.	53. Which of the following statements is not true of osmot	
	A. There must be a selectively permeable membrane	
	B. The two solutions must be of different concentration	ns initially
0	C. It involves only the movement of water molecules	boginning of the experiment
54	D. The two solutions are of equal concentration at the 54. The pulmonary artery carries	beginning of the experiment.
O 1.	A. de-oxygenated blood from the right ventricle to the	lungs
	B. oxygenated blood from the right ventricle to the lun	gs
	C. oxygenated blood from the left ventricle to the right	
E F	D. de-oxygenated blood from the left ventricle to the r	
ວວ.	55. Which of the following parts of the mammalian brain is than walk?	involved in taking the decision to full rather

A. Cerebellum B. Medulla oblongata C. Cranial nerves **D.** Cerebrum 56. Water rises most rapidly in A. Sandy soil. B. Clayey soil C. Sandy-loam soil D. Loamy soil 57. Euglena moves by: A. Whipping of its flagellum B. Beating of its cilia C. Rotating action of the flagella **D.** pushing out a jet of water from an organelle 58. The following life processes are common to both plants and animal except **B.** growth A. respiration C. reproduction **D.** photosynthesis 59. Which of the following statements is correct of hormones? Hormones are A. secreted into the blood through ducts B. secreted directly into the blood stream C. inactive chemical substances in the blood stream **D.** non-specific in their mode of action 60. Which of the following statements is not associated with the theory of natural selection? **A.** there is a struggle for existence **B.** there is a competition among offspring C. the weaker offspring are eliminated D. Food and other needs are abundant 61. Water is necessary for a germinating seed because it B. activates the enzymes A. promotes aerobic respiration **D.** protects the seed from desiccation. **C.** wets the soil for proper germination 62. The farming practice by which an exhausted land is left for a number of years before cultivation is known as B. continuous cropping A. crop rotation **D.** bush fallowing C. mono cropping 63. Which of the following instruments is used for determining the turbidity of the water? B. Secchi Disc. A. thermometer C. Rain Gauge. D. Hygrometer 64. The surest way to combine the best qualities of both parents in the offspring is by A. cross-breeding **B.** in breeding C. selective breeding **D.** all of the above 65. Which of the following is not true about gene mutation? A. it introduces new traits into a population B. causes changes in the DNA D. always affects the chromosome number C. is a source of new genes 66. In unicellular organisms, essential nutrients can be transported directly to all parts of the body by the process of diffusion only because unicellular organisms have: A. A large surface area to volume ratio **B.** A large volume to surface area ration C. Permeable cell membrane **D.** Their body is always immersed in the nutrient material 67. Which of the following is not present in the nucleus of a cell? A. Chromosommes B. Nucleolus C. Mitochondrion D. Genes 68. The structure in the cell that controls the movement of substance in and out of the cell is the A. Cytoplasmic membrane B. Nuclear membrane C. Cytoplasm D. Protoplasm 69. Which of these is not an excretory product of plant? B. Gum A. Tannin C. Alkaloid D. Sweat 70. Which of the following processes will not introduce carbon dioxide into the atmosphere?

B. Photosynthesis

D. Putrefaction

A. Breathing

C. Respiration

CHEMISTRY

1.	are allotropes of carbon
	A. graphite and sulphur B. amorphous charcoal and coke
	C. diamond and graphite D. carbon monoxide and coke
	A substance is said to be hygroscopic if it
	A. does not absorb moisture B. is suspended in water
	C. dissolves when it absorbs moistures D. hydrolysis in water
3.	CH ₃ CO ₂ H + CH ₃ CH ₂ OH ? The functional group under and in the equation is a/an
	group A. Alkanol B. Carbonyl C. Keto D. Carboxylic acid
	The gas equation / = / is made up of Charles' Law andlaw
	A. Le Chateliers' B. Gay-Lussac's C. Boyle's D. Newton's The acid in butter is called acid
	A. Butanonoic B. Butyric C. Benzoic D. Butandioic
	The oxidation state of calcium is CaCl ₂ is
	A. +1 B. +2 C. +3 D. +4
7.	The mass number of an atom of an element is the sum of its
	A. Electrons, neutrons and protons B. Electrons and protons
	C. Protons and neutrons D. Valence electrons
8.	The existence of two or more forms of the same element in the same physical state is known as.
	A. Allotropy B. Resonance C. Hybridization D. Isotopy
9.	In which of the following are radioactive isotopes used?
	A. Scientific research B. Dating techniques
	C. Treatment of cancer D. All of the above
10.	The phenomenon observed when dust particles collide randomly in a beam of sunlight is known as
	A. Tyndal effect B. Diffusion C. Osmosis D. Brownian movement
11.	The main characteristic features of transition metals are that they
	A. Have the same atomic size B. Are reducing agents
	C. Forms ions easily D. Have variable oxidation states
12.	In 1898, which scientist proposed that the atom is a sphere of positively charged matter in which
	negatively charged electrons are embedded
	A. Earnest Rutherford B. Max Planck C. J.J Thomson D. Robert Millikan
13.	Oxygen gas is collected in the laboratory by
	A. upward displacement of air B. upward displacement of water
	C.downward displacement of water D. using a gas layer
14.	CuO + H ₂ Cu + H ₂ O In the reaction above CuO is
	A. oxidized to copper B. reduced to copper
	C. chemically converted to copper D. reversed to copper
	Isotopes are atoms if the same element with
- 4	A. different protons B. mass above 50
	B. inter convertible masses D. different masses
_	A reaction is in equilibrium when
	A. the rate of the forward reaction is equal to the rate of the reverse reaction
	B. the reaction rates of the forward and backward reaction are zero
	C. its rate is reversible
	D. it does not produce ant product again
17.	The boiling point of a liquid such as methanol is the temperature at which its

A. vapour pressure is equal to 1 atmosphere

	 B. vapour pressure is equal to the atmospheric pressure C. reactants and products are at standard states D. vapour pressure doubles atmospheric pressure 	
	B. Benzene C. Alkynes D. Benzaldehyde	
19.	. A palm fruit dropped to the ground from the top of a tree 45m tall, how long does it take to reach th	е
	ground? (take g=10ms ⁻²)	
	A. 1s B. 2s C. 3s D. 5s	
	A. 13 B. 23 C. 03 B. 03	3
20.	cell	
	A. polarization B. depolarization C. local action D. amalgamation	
21.	. Which of the following can be explained by the kinetic theory?	
	I. The physical state of matter II. Diffusion of gases	
	III. Melting of solid IV. Evaporation of liquids	
	A. IV B. I & II C. III & IV D. I, II & III E. I, II, III & IV	
22.	. The properties of electrovalent compounds include the following except	
	A. High melting point and boiling point	
	B. Conduction of electricity in the molten state	
	C. High volatility at room temperature	
	D. lonization in aqueous solution	
23.	Which of the following statements is not corrected about electrolysis?	
	A. Reduction occurs at the anode	
	B. Anions migrate to the anodeC. Positive ions migrate to the cathode	
	D. Concentration affects the discharge of ions	
24	 Separation of mixtures of solids by physical methods can be based on differences in the following 	
۷4.	except	
	A. Melting point	
	B. Solubility	
	C. Particle size	
	D. Molar mass	
25.	. The following are major gaseous pollutants except.	
	A. CO B. CO ₂ C. SO ₂ D. CFC	
26.	Brass is an alloy containing copper and	
	A. zinc B. tin C. silver D. lead	
27.	. Which of the following reduces the activation energy of a chemical reaction?	
	A. freezing mixture B. reducing agent	
00	C. water D. catalyst	
28.	In the electrolysis of brime, the anode is	
20	A. carbon B. platinum C. zinc D. copper	
29.	What current in ampere will deposit 0.27g of Aluminium in 2 hours? [Al=27, F=96500C]. A. 3.2 B. 8 C. 0.4 D. 16	
30	What is the likely formula of a compound formed between element M in group 2 and between elem	on
50.	X in group 7?	CII
	A. M_7X_2 B. MX_2 C. M_2X_7 D. M_2X	
31	Which of the following can be explained by the kinetic theory?	
Υ.	I. The physical state of matter II. Diffusion of gases III. Melting of solid IV. Evaporati	on
	of liquids	
	A. IV B. I & II C. III & IV D. I, II & III E. I, II, III & IV	
32.	. The properties of electrovalent compounds include the following except	
	A. High melting point and boiling point B. Conduction of electricity in the molten state	
	C. High volatility at room temperature D. Ionization in aqueous solution	
	E. Decomposition of their solutions by electric current	

33.	Which of the following sta			
	A. Reduction occurs at the		ons migrate to the anode	
	C. Positive ions migrate to		D. Concentration affects	s the discharge of ions
0.4	E. Electrolysis conduct ele			
34.	•	solids by physica	I methods can be based of	on differences in the following
	except			
		,	ticle size D. Molar mass	
35.	The following are major g		•	
		O_2 C. SO_2	D. CFC	
36.				ted by the equation below: $N_{2(g)}$
	$3H_{2(g)} \rightarrow 2NH_{3(g)}$ which of	the following laws		
	A. Boyle's law		B. Law of multiple propo	
	C. Gay Lussac's law		D. Law of constant com	position
37.	PH of a 0.0001M acid is			
	A. 1	B. 2	C. 3	D. 4
38.3	38.			Saino
	CH	.3		
	_	5		
				C
	CH_3CH_2	——CH ₃		
	C113C112	CII3	. 0	
	CH		N/O	
	СН	3	C.	
	How many isomers of the	compound above	s can be obtained?	
	A. 5	B. 4		D. 2
20	Alkanoates are produced		0.5	D. 2
39 .	A. Esterification		mentation	
	C. Saponification		dation	
40	Esters are employed in th			
40.	A. Making perfumes	e lollowing excep	B. Nail vanishe	r
	C. Making solvent for cell	ulose triovonitrate		ing cement
41	What mass of anhydrous	sodium triovocart	nonate(IV) is present in 50	00cm ³ of 0.1mol dm ⁻³ of the
т	solution [Na=23, C=12, O		oriale(IV) is present in se	och or outlier and or the
	A. 10.6g	B. 106	Sa	
	C. 5.3g	D. 53g	•	
42	The oxidation state of oxy			
12.	A 4	B. +4	inplicate (11) dold to	
	C2	D . +2		
43.			ecial properties which are	different from those of groups I
	and II elements because			ameren men meet er greupe i
		orbital	C. D orbital	D. F orbital
44.	Separation of different ca			
	A. centrifugation	B. Distillation		C. chromatography
	D. carotinization			3 1 7
45.4		W X	YZ	
\triangle	Ph	8 12	4 2	
V	From the table, which of t		S. Y and Z will liberate carl	bon (IV) oxide from a
	trioxocarbonate (IV) salt?		, , , , , , , , , , , , , , , , , , , ,	56 (. t.) 67d6 6 d
	A. Z	B. Y		C. W
	D. X			
46		tion of KNO ₂ at 40	0°C contained 5 05g of the	e salt. What is the solubility of
.0.	KNO ₃ at 40°C [K=39, N=1		c c contained ology of the	z zam rrnacio allo dolability di
	A. 1.0moldm ⁻³	B. 1.5moldm ⁻³		C. 2.0moldm ⁻³
	D. 5.0moldm ⁻³	Di I.omolam		<u> </u>

	47. A brand of ink containing cocomponents by	obalt (III), copper (II) and iron(II)	ions can best be separat	ed into its various
	A. fractional crystallization	B.fractional distillation	C. sublimation	D.
	chromatography 48. If the rate law obtained for a the reaction.	a given reaction is given as rate	= $K[X]^n [Y]^m$, what is the o	overall order of
	A. nm	B. ⁿ _m	C. n+m	D. n-m
	49. A molecular formula shows			C-
	A. the elements present	B. the number of atom		100
	C. cations and anions 50. Give the total mass of copp	D. chemical symbols a		76,
	[Cu = 40 ; S = 32 ; O = 16]	rei iii Tgili oi coppei (ii) suipilati	5	
	A. 0.25g B. 0.50	Og C. 10g	D. 2.5g	1 /2
	$51.5^{114}Cs \xrightarrow{S} {}^{A}E + {}^{4}\alpha$. 0	
	. 55 Z 2		7,	
	Find the value of A and Z in		D. 110, 58	
	A. 119, 53 B. 110 52. How many moles of H_2 mol			ater?
	A. 5 mol H ₂ B. 10 mol H ₂		mol H ₂	
	$53.5^{226}_{88}Ra \rightarrow {}_{86}^{x}Rn + \alpha$. What is	the value of X in the nuclear rea	action above?	
	3			
	•		20	
		()		
		5		
		.6		
	-0-			
	,04			
	-0^			
4	POTUCCINA			

	A. 220 B. 222	C. 226		D. 227.		
54.	When naphthalene on heating chan					
	A. sublimation B. evap	C. com	bustion	D. decomposit	ion	
55.	Which of the following is an electroly		4- 0			D.
	· · · · · · · · · · · · · · · · · · ·					
56	mercury The equation $^{14}N + ^{4}He \rightarrow ^{17}O + ^{1}Pe$	renresents	•			
50.	7 2 8 1	represents) .			
	A. nuclear fusion		nuclear fission			Co
	C. artificial radioactivity			n using positror	1	40
57.	Which of the following is a general r		reparing acid	s? 		70,
	A. Direct combination of constituent solution	elements	B. Doui	ole decomposition	on involving a sa	ait
	C. Reaction between an anhydride	and water	D Read	ction hetween a	hase and an am	nhoteric
	oxide	and water	D. Neat	Silon between a	base and an an	iprioteric
	E. Dissolution of hydroxides followe	d bv neutral	lization		\ Y~	
58.	Monosaccharides are	, ,			·O·	
	A. hydrolysable B. non-hydrolys	sable C.	not soluble in	n water D. swee	t but sometimes	non
	sugary			6		
59.	The major air pollutants that can res			nclude		
		rogen sulph	iae			
60	C. Carbon (II) oxide D. Carbon parti If an element has the electronic con	CIES figuration 1	$e^2 2e^2 2e^6 3$	c^2 $3n^4$ it is		
00.	A. metal	B . An alka	line earth me	al		
	C. An S-block element		ck element	7		
61.	Compounds that have the same mo			ent structures ar	e said to be	
	A. Allotropic B. Isoto		()			
	C. Polymeric	D. Isomeric				
62.	Which of the following statements is					
	A. Carbon exhibits allotropy B. SulpC. Chlorine exhibits allotropy					
63	C. Chlorine exhibits allotropy D. Hydrogen is a gas 3. 300cm ³ of a gas has a pressure 400mmHg. If the pressure is reduced to 150mmHg. Find its volume.					
	A. 700cm ³ B. 800cm ³					
	C. 350cm ³	D. 112.5cn	n^3			
64.	The ideal gas equation can be written	en as				
	A. $V_1 = V_2$	B DV_D	V			
		1 1	V 2 2			
	T_1 T_2					
	C. $\bigvee_{2} = \frac{P_1 V_1 T_1}{P_1 P_2}$	D. P V T =				
	2 $P_{2}T_{2}$	112	221			
65.	Ethyne, Ethene, Cyclohexane and F	Propene car	n be classified	las		
	A. alkenes		c compounds		•	
	C. saturated compounds		bond hydroc	arbons		
66.	If the PH of a compound is 3.2 that					
67	A. Amphoteric B. A Salt	C. An Acid		D. A Base		
67.	Which is the most ionic in the group A. Cl ₂ B. NaCl C. AlCl		CaCl ₂			
68	Hydrogenation of palm oil results in					
	A. candle B. solid palm of				D. ester	
69.	An Amphoteric compound					
	A. Reacts with alcohols	B. Reacts	both as an ac	id and as a bas	е	
	C. It is solid at room temperature	D. has a P				
70.	In structural isomerism same atoms			<u> </u>		
	A. carbon atomsC. different neighbouring atoms	B. similar a	atoms t functional gi	ากเทร		
	S. amoronicholynbouning atoms	J. Gillordii	ai iolioi iai gi	Jupo		

PHYSICS

	113163				
1.	The weakest form of bonding i				
	A. lonic B. Metallio			der Waals	
2.	The period of a simple pendul				
	A. The mass of the pendulum		B. The length o	•	
2	C. The acceleration due to gra				a a m . a f limb t ?
3.			action D. Pho		eory or light?
1	A. Refraction B. Interfer Which of these best describes			ioelectric effect	Co
٦.		the power or			
	A. P = / B. P = /		C. P = f	D. P = f	Mels
5.	Which of the following attribute	es of a machin	e does not depe	end on friction?	· M
	(1) Mechanical advantage (2)	Velocity ratio (
	A. 1 only B. 2 only		C. 3 only	D. 1 and 2 only	
6.	A cell is a device which conve		D 0		
	A. Kinetic energy to potential e				nergy
7	C. Chemical energy to heat er				
7.	In which of the following media A. kerosene B. alcohol		C. water	D. iron	
R	Which of the following is not a			D. 110th	
0.	A. as wing mirrors on cars B.			(1)	
	C. in a periscope		kaleidoscope	0	
9.	If V is the velocity of a wave, is			od. The V, and T	are related by the
	expression	J		2	,
	A. $= \frac{V}{T}^2$ B	. V = T	C. = √	Ť	D.
10	. Three 3.0 ohm resistors are co	nnected in na	rallel What is th	a equivalent res	istance?
10.		. 1.0 ohm	C. 6.0 c		D. 3.0 ohm
11.	. The distance between two suc				210.00
	A. amplitude B. wavele		C. frequency	D. wav	e distance
12.	2. An object is placed 15cm in fro			mage is produce	ed 5cm behind the mirror
	calculate the focal length of the	e mirror			
		. 10cm	C. 7.5c		D. 20cm
13.	 A ball is projected horizontally 			ove a horizontal	surface (g=10m/s ²). The
	magnitude of its velocity in m/s				
11		. 20	D. 25	t this towns are turn	to ⁰ ⊏
14.	 A malaria patient has a body to A. 83.2°F B. 103.1°F 	emperature or . 77.4°F	D. 147.	t this temperatur	e lo F.
15	5. Positive charges usually move		D. 147.		
10.	A. Higher to lower potential ar	eas B .lowe	er to higher pote	ntial areas	
	C. North to south D. Higher resistance to lower resistance areas				
16.	 A truck traveling with a velocity 	y of 40m/s app	olies the brakes	and comes to a l	halt after 20 seconds.
	What is distance traveled by the	ne truck before	coming to a ha	lt	
	A . 40m	B. 800n	n		
	C. 400m	D. 10m			
17.	. In a harmonic oscillation of a s				
	A. The potential energy and the				
\bigvee	B. The potential energy is equal to the kinetic energy at the central position of the oscillation				
	C. The potential and the kinetic energies of the bob are maximum at the maximum height of the				
	oscillation D. None of the above				
1Ω	B. If the linear expansivity of a mo	etal rod is 4 v	10 ⁻⁵ per ⁰ C who	t will be the new	length of the rod if it is
10.	heated from 15°C to 95°C fron	n its original le	noth of 20cm	r will be the new	iongui oi uio iou ii ii is
		. 0.64 cm			
		20.064 cm			

19.	The heat required to melt ice at 0	°C to water at the s	same temperature is cal	lled		
	A. Apparent heat of fusion B. Apparent heat of vaporization					
	C. Latent heat of vaporization	D. Latent heat of	of fusion			
20.	Which of the following is used in a	nuclear reactor to	slow down fast moving	electrons?		
	A. Carbon dioxide gas		•	•		
	B. Liquid sodium metal					
	C. Concrete shield					
	D. Graphite rods.					
21	Calculate the power-rating of a he	ating element which	ch melted in 20g of ice :	at 0°C and rais	ed the	
	temperature of the resulting water			ar o o arra raio	od trio	
	Specific latent heat of fusion of ice		.00		(6),	
	Specific heat capacity of water =			_	N	
	A. 5.92kw B. 98		C. 107w	C	D. 42w	
22.	If a man cannot see objects very			correct the pro		
~~.		onvex mirror	C. Concave lens	D. Concave		
23.	when the bob of a simple pendulu					
20.	A. kinetic energy is maximum		ergy is maximum	ne following no	ррспо.	
	C. total energy is zero	D. momentum i				
24	When the atmospheric pressure is			t of water		
۷٦.	A. increases B. decreases			nnot boil		
25	Which of these statements is corr					
20.	A. atoms B. neutrons	C. elec				
26	Which of the following has the hig			3		
20.	A. soapy water	B. cold				
	C. warm water	D. Salt	1/1			
27	A truck traveling with a velocity of			halt after 20 s	econde	
۷1.	What is the distance traveled by t			i nan anei 20 s	econas.	
	A. 40m B. 800m	C. 400r		D. 10m		
28	If the linear expansivity of a metal				rod if it is	
20.	heated from 15°C to 95°C from its	original length of	20cm	w length of the	100 11 11 13	
	A. 0.064 cm B. 0.64 cm	C. 20.6		D. 20.064 cr	m	
29	44KJ of heat was used in raising					
20.	the specific heat capacity of paraf		zng or paramir on nom	00011 10 07 011	Calculate	
		2 x 10 ³ J/kg/K	C. $2.2 \times 10^5 \text{ J/}$	/ka/K	D. 220	
	J/kg/K	- / · · · · · · · · · · · · · · · · · ·			21	
30.	A simple machine overcomes a lo	ad of 4000N when	a force of 200N is app	lied. If the velo	city ration of	
	the machine is 25, calculate the e				,	
	A. 1.25% B. 80	•	C. 125%	D. 0	.8%	
31.	A long sighted person is to read a		tance of 20cm from the	e eyes. Which o	of the	
	following will the person require to			,		
		oncave lens	C. Convex lens	D. Concave	mirror	
32.	An object at the bottom of a pool					
	What is the refractive index of the		,		•	
	A. 0.25 B. 0.	•	C. 1.25	D. 0.8		
33.	Which of the following has the hig	hest surface tension	on?			
(ld water	C. warm water	D. Salt wate	r	
34.	The emf developed in a circuit is	directly proportiona	I to the rate of change	of magnetic flu	x. The	
X	above was a finding from		· ·	J		
		ıraday	C. Ampere	D. Lenz		
35.	Which of the following is stored by					
		olar energy	C. Electrical energy	D. Heat ene	rgy	
36.	A ball is projected horizontally from					
	seconds later. What is the height				J	
	A. 200m B. 20		C . 160m	D. 40m		

37.	The expansion of solids car	n be considered a disadv		
	A. fire-alarm systemC. riverting of steel plates		B. thermostatD. balance wheel of a	watah
00	· ·			
38.	An object is placed between the number of images obse	rved in the 2 mirrors	•	
	A. 2	B. 3	C. 4	D. 1
39.	Which of these instruments	is suitable for making th	e most accurate meast	irement of the internal
	diameter of a test tube?			C
	A. metre rule		B. venire callipers	43
40	C. micrometer screw gauge		D. spectrometer	
40.	Which of the following instru	iments would be best su		s?
	A. periscope		B. microscopes	6
4.4	C. telescopes	to a second to the second of	D. spectroscope	1
41.	A gas which obeys Charles	law exactly has a volum	e of 283cm* at 10°C. w	nat is the volume at 30°C?
40	A. 142cm ³	B. 293cm ³	C. 303cm ³	D. 566cm ³
42.	Electrical resistance is a pro	operty of an electric cond	auctor that causes elect	incar energy to be
	converted to	P. color on orgu	C hoot operation	D. chemical energy
12	A. mechanical energy	B. solar energy	C. heat energy	D. chemical energy
43.	Which of the following has t A. beta particles	B. Alpha particles		D. Neutrons
11	The change in direction of a			
44.	medium is called	i wave noni as a resuit o	n a change in the veloc	ity of the wave in another
	A. interference	B. diffraction	C. refraction	D. reflection
45	Which of the following is a r			
40.	same floor during the rainy		Treels dolact to the bal	e leet than a mat on the
	A. mat is a better conductor		1 0	
	B. mat loses heat to the bar		en concrete floor	
	C. mat loses heat to the bar			n them.
	D. concrete floor is a better			
46.	A short-sighted person need			ne vision
			o-convex lens	D. plano-concave lens
47.	The motion of a body is sim			•
	A. acceleration is always di	rected towards a fixed po	oint B. path of mo	tion is a straight line
	C. acceleration is directed to	owards a fixed point and	proportional to its dista	ance from the point
	D. acceleration is proportion			int.
	E. acceleration is constant a			
48.	An object is placed 25cm in	front of a convex lens of	f focal length 10cm. The	e image of the object will
	be			
	A. real inverted and magnifi		upright and magnified	
40	C. real upright and diminish		inverted and diminishe	d
49.	Any successful lift-off of spa	ace-crait uses the applica B. Newton's Se		outon's Third Law D. All of
	A. Newton's First Law	D. Newton S Se	econd Law C. Ne	wton's Third Law D. All of
50	the above When a carpenter screws a	nail into an object the o	listance travalled into th	o object at a full circle of
50.	the head of the screw is call		iistance travelled into tr	ie object at a full circle of
	the flead of the screw is call	A. pitch B. thimble	C. wavelength	D. moment
51.	One of the following is true			
91.	A. volume increases		temperature increases	diffe of gao increases.
	C. the volume decreases		temperature decreases	
52.	If two resistors of 10Ω and 2			
	resistor, calculate the effect			
	A. 50 Ω	B. 12 Ω	C. 10 Ω	D. 0.02 Ω
53.	Converging lenses with foca	al lengths 4cm, 40cm an	d 4m are available for υ	ise. Which of them will you
	use as a magnifying glass	-		•
	A. 4cm	B. 40cm	C. 4m	D. None of the above

54.	A piece of aluminium of mass 0.5kg at a temperature of 100°C is placed in water of mass 0.4kg at a temperature of 10°C. If the final temperature of the mixture is 40°C. Find the specific heat capacity of aluminium if that of water is 4200 l/kg/°C.					
	aluminium if that of water is 4200J/Kg/°C A. 960J/Kg/°C B. 908J/Kg/°		C. 1860J/Kg/°C	D. 1680J/k	(a/°C	
55	Hardness of X-rays is a measure of its	O	C. 10003/10g/ C	D. 10003/1	tg/ C	
σ.		enetration power	D . Pictu	re it produces		
56.	The half life of a radioactive substance is					
		.151s	D. 0.576s			
57.	A body moves with a constant speed but	has an acceleratio	n. This is possibl	e if it	,6	
	A. moves in a straight line B. moves in		scillating .	D. is in equilibrium		
58.	A 500kg truck moving with a velocity of 6	m/s collides with a	stationary 100kg	car. The truck and	the	
	car move together after collision. What is	their common velo	city?	c. Na		
	A. 5m/s B. 10m/s	C. 30m		D. 1m/s		
59.	The process by which a metal heated to	a high temperature	gives off electron	ns from its surface i	IS	
	known as:			\ Y^		
	A. radioactive emission		l emission	0		
00	C. photoelectric emission		mionic emission			
60.	A total internal reflection occurs in the gla					
	A. greater than the right angle		ater than critical a			
61	C. greater than angle of prism		ater than angle of			
οι.	At what temperature will the Celsius scal A. 4° B. -273 $^{\circ}$		D. -40°	ſ		
62	Which of these statements is correct abo	C.100°		20		
02.	A. atoms B. neutrons	C. electrons	D. ions	ig		
63	The upthrust experienced by an object in			feel		
00.	A. Heavier B. Lighter	C. sink lower		of the above		
64.	Which of the following has the highest su		21110111	, or and above		
•	A. soapy water	B. cold water				
	C. warm water	D. Salt water				
65.	Which of these is NOT a consequence of		covering the upp	er plate of a prima	ry	
	cell?					
	A. Polarization	B. Local action				
	C. Generation of less current by the cell		the resistance of			
66.	What is the current in a circuit if the charge	ge of 240 coulombs				
	A. 120 A B. 480 A		C. 4 A		. 2 A	
67.	An electric in Nigeria has a number of 60	w coloured bulb. H	ow many can be	connected to a 240)V	
	supply through a 5A fuse		•	_		
00	A. 20 B. 48	(400)	C. 5		. 4	
68.	A radio station broadcasts on a frequence		spea of the radio	wave is 3 x 10 m/	s,	
	what is the wavelength of the radio wave A. 3x10 ⁶ m B. 3	x10 ³ m	C. 300r	n		
	D. 3m	XIU III	C. 3001	II .		
60	If you need to clearly see an object that is	e at a very far dieta	nce then you ne	ad to usa		
03.		nicroscope	rice, trieff you rie	ed to dise		
		rismscope				
70.	Michael Faraday found that the EMF dev		nductor is directl	v proportional to the	e	
Ö	A. current applied	B. voltage app		7 - - - - - - - - -	-	
X		ate of change of ele				

ANSWERS PAGES

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ENGLISH
1. A
    COURRENT PAST QUESTIONS and Answers
2. D
3. D
4.
   Α
5. D
6. C
7.
  С
8. D
9. B
10. D
11. C
12. C
13. C
14. A
15. D
16. C
17. A
18. D
19. B
20. C
21. B
22. D
23. C
24. A
25. C
26. D
27. D
28. B
29. C
30. D
31. D
32. D
33. D
34. D
35. B
36. C
37. A
38. B
39. D
40. D
41. B
42. D
43. C
44. C
45. D
46. D
47. A
48. A
49. C
50. A
51. C
52. B
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53. B
    54. C
    55. D
    56. D
           CURRENT PAST QUESTIONS and Answers
    57. B
    58. B
    59. C
    60. A
    61. C
    62. B
    63. C
    64. A
    65. D
    66. C
    67. B
    68. C
    69. A
    70. D
    71. B
    72. B
    73. D
    74. B
    75. C
BIOLOGY
    76. C
    1. D
    2. D
    3. A
    4. A
    5. B
    6. C
    7. B
    8. A
    9. B
    10. D
    11. C
    12. D
    13. D
    14. C
    15. D
    16. D
    17. D
    18. A
    19. D
    20. C
    21. D
    22. B
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23. A 24. C

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25. C
26. B
27. B
28. B
      CURRENT PAST QUESTIONS and Answers
29. A
30. A
31. B
32. C
33. D
34. B
35. D
36. D
37. C
38. B
39. C
40. D
41. C
42. B
43. A
44. C
45. C
46. C
47. B
48. B
49. C
50. C
51. A
52. D
53. A
54. D
55. A
56. A
57. D
58. B
59. D
60. B
61. D
62. B
63. A
64. D
65. A
66. C
67. A
68. D
69. B
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CHEMISTRY

- 1. C
- 2. C
- 3. D
- 4. C
- 5. B
- 6. B
- 7. C

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8. A
9. D
10. A
11. D
    COURRENT PAST QUESTIONS and Answers
12. C
13. C
14. B
15. D
16. A
17. B
18. C
19. C
20. A
21. E
22. C
23. A
24. D
25. B
26. A
27. D
28. A
29. C
30. B
31. E
32. C
33. A
34. D
35. B
36. C
37. D
38. B
39. A
40. D
41. C
42. C
43. C
44. C
45. B
46. A
47. D
48. C
49. D
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50. A
51. C
52. B
53. C
       CURRENT PAST QUESTIONS and Answers
54. A
55. B
56. C
57. A
58. B
59. C
60. D
61. D
62. C
63. B
64. D
65. D
66. C
67. B
68. C
69. B
70. C
PHYSICS
1.
2. D
3. C
4. D
5. A
6. B
7.
  D
8. D
9. A
10. C
11. B
12. B
13. A
14. D
15. B
16. A
17. A
18. D
19. D
20. D
21. C
22. B
23. A
24. B
25. B
26. C
27. B
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28. A 29. D

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30. B
    31. B
    32. C
    33. C
POLAC CURRENT PAST QUESTIONS and Amswers
POLAC
    34. B
    35. B
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