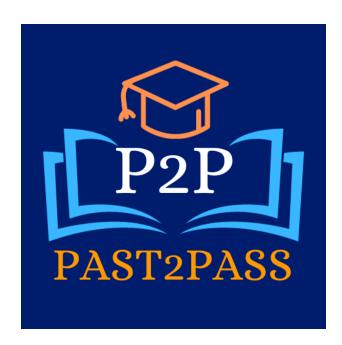
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ENGLISH LANGUAGE

In questions 1-30, choose the **best option** to fill in the gap.

1.	With his reading gl	asses, he could	see the word			
	(a) much more	clearer (b) M	luch clearly mo	re (c)	much more clearly	(d) clear
2.	Hardly had the jour	rney started,	the	car engine	developed a fault.	
	(a) That	(b) When	(c) Than	(d) soo	n	
3.	The story she was n	eading made he	r			
	(a) Laughed	(b) To lat	igh (c)	Laugh	(d) Laughing	
4.	I am not going to th	ne stadium with	you as It	hat team pla	y before	
	(a) Am seeing	(b) Have	seen (c)	Had seen	(d) Was seei	ng
5.	The visitor was ver					
	(a) Runny	(b) Watery	(c) Flowin	g (d)	Running	
6.	you shoul	d put in some et	fort to show the	at you are in	tereste(d)	
	(a) Howeve	r you are tired				
	(b) Howeve	r tired you are				
	(c) Howeve	r tired are you				
	(d) Howeve	r is you tired				
7.	The teacher asked_	will have	the courage to	try and lift	that heavy Log?	
	(a) whom	(b) which	(c) who	(d)) whomever 8. My	brother
	married a <u>loquacion</u>					
	(a) quiet	(b) noisy	(c) talkative	(d) b	eautiful	
9.	This engine is	that	one.			
	` '	(b) More	superior than	(c) mo	re superior to	(d)
	superior to				_	
10.	I could not attend	the meeting, so	I asked my siste	er to stand	for me	

	(a)	Up	(b) By	(c) in	(d) or	1	
11.	Since we	e were giv	en all the thing	s we request	ed, we should	with v	what we have
	(a)	Make u	p (b) M	lake on	(c) make	do (d) make with 12.
	Must you	ı always .	lies? Why do		ne truth for on	ice?	
	(a) sp	eak	(b) say	(c) talk	(d) tell		
12	Don't 10	t him bul	ly you, you mus	at atond up		him	
13.	Don the	t IIIII oui	iy you, you mus	st stand up	•••••••	111111	
	(a) for	•	(b) before	e	(c) to	(d) aga	ainst
1 /	T., 41, 1.	-44 4 1		1			
			:good n	_			4
	(a) is som	ne	(b) are	(c) to		(d) agains	τ
15.	Here's t	he book v	you wanted. Is the	here anything	2	i can g	et you?
	(a) mo	ore	(b) again	st	(c) else	((d) other
16.	My fath	er	to smo	ke a lot, but	he gave it up	several year	s ago
	•					•	
	(a) wa	is used	(b) has b	een	(c) is	used	(d) used
17.	This cla	ssic	with enjoy	yment for ne	arly two hund	red years.	
	(a) has be	een read					
	(b) will h		read				
	(c) shall l	have beer	read				
	(d) was re	ead					
18.	The bold	d railway	station has been	n turned	a very sı	mart restaura	nt.
	(a) in		(b) into		(c) on	(d) onto	
19.	Let's try	to get ho	ome quickly bef	ore the rain	really	••••••	
	(a) set	s in	(b) sets	on	(c) sets off	(0	l) sets dow

20.	There are too many cities.	people sleepingon	the streets of London	and other big British
	(a) rough	(b) wild	(c) hard	(d) fierce
21.	Are you able to	CDs on	your computer	
	(a) toast	(b) cook	(c) bake	(d) burn
22.	This area of town is	beginning to look very	and imp	overished.
	(a) broken-down	(b) put-down	(c) run-down	(d) marked -down
23.	best swimmers in th			wim team and one of the
24.	Many 19 th -century b	iographers	not on real facts.	
	(a) Rely on their imag	gination		
	(b) Relied on their im	agination		
((c) Have relied on the	ir imagination		
	(d) could have relied	on their imagination.		
25.	Knocky	ou enter the head of dep	partment's office.	
	(a) As (b) When	(c) Before	(d) As/when	1
26.	The patient is suffer	ing from		
	(a) Rheumatism	(b) rheumatism	(c) Rheumantism	(d) rehnmantism
27.	When he asked her t	o marry him, Ada was_	than she had tho	ough possible

28.	(a) hay	-		` '		oier up			(d) too happy
	(a) bre	ead		(b) bree	d	(c) brou	ıght	(d) bro	ught
29.	If Kenn	edy	{	oeen kil	led, he	would h	ave bee	en president for	four years.
	(a) ha	d not		(b) has	not		(c) has	n't	(d) hadn't
30.	When h	is wife	died, he	was		with grie	ef.		
	(a) ha	s been o	overcom	e	(b) be	en overc	ame	(c) overcome	(d) overcame
	In question 62-66, choose the option that has the same vowel sound as the one represented by the letter(s) underline(d)								
31.	Luck.								
	(a).	lack	(b).	tum	(c).	Lock (d).	Brother	
32.	G <u>ua</u> rd (a).	Guide	e (b).	Argue	(c).	Chat	(d).	Gourd	
33.	B <u>ee</u> r. (a).		(b).	Bear	(c).	Pier	(d).	Pear	
34.	N <u>i</u> ne (a).	Pint	(b).	Gill	(c).	Pin	(d).	Click	
35.	35. B <u>ea</u> r								
	(a).	Beer	(b).	Steer	(c).	Rare	(d).	Fear	
]	In questic	ons 67-7	71, selec	t the op	tion tha	it best ex	xplains	the information	n conveyed in the

sentence.

- 36. He could not have rewarded them more handsomely.
 - a) He did not reward them very well
 - b) He rewarded them well and he was also a good looking man
 - c) He rewarded them very well
 - d) He spoke to them in a very generous way
- 37. My advice to Tolu was 'look before you leap'.
 - a) Tolu was advised to consider her options before reaching any decisions.
 - b) Tolu was advised to consider possible consequences before taking action.
 - c) Tolu was advised to weigh her decisions by looking and leaping.
 - d) Tolu was advised to leap only after looking.
- 38. The official had allegedly been taking bribes.
 - a) Some people accused the official of taking bribes
 - b) The official had been taking bribes without feeling any guilt.
 - c) It was proved that the official had been taking bribes
 - d) The official accused some people of taking bribes
- 39. Emeka hardly ever holds with my view on good governance.
 - a) Emeka sometimes opposes my idea of good governance
 - b) My view of what good governance is conforms with that of emeka
 - c) Emeka never really supports my opinion of good governance
 - d) Emeka may never hold a view which conflicts with mine on good governance.
- 40. There's a door at either end of the building.
 - a) The building has two ends and two doors
 - b) The building has two ends but only one door
 - c) The building has two ends but i do not know which of the two has a door

d) The building has many ends, each with a door

<u>In questions 72-76, choose from the options the word that has the same consonant sounds as the underlined letter(s) in each word.</u>

41.	<u>Th</u> ou	gh					
		(a) Theater	(b) Taught	(c) Weather	(d). Fate		
42.	Calip	<u>h</u>					
		(a) Presently	(b) Perhaps	(c) Powerful	(d) opponent		
43.	<u>S</u> ure						
		(a) Cheer	(b) Cheap	(c) Charlatan	(d) church		
44.	Past						
		(a) Wrestle	(b) Preached	(c) Castle	(d) Pasture		
45.	<u>Th</u> an	k					
		(a) Though	(b) Thought	(c) Thames	(d) Thomas		
	In the questions 77-81, choose the most appropriate option opposite in meaning to the word(s) or phrases bolded.						
46.	The o	chairman's verdict r e	edressed the injustice	e mete out by the secreta	ary.		
	ado	(a) Corrected dressed	(b) restored	(c) aggravated	(d)		
47.	Uche	could not travel las	t December because	of the <i>severity</i> of the ha	rmattan.		
		(a) Cold	(b) mildness	(c) warmth	(d) moderation		
48.	Mrs.	Koffi is very <i>provoc</i>	cative in her style of	dressing.			

	(a) Modest	(b) happy	(c)angry	(d) beautiful
49.	Travelling in the night can b	e an ordeal.		
	(a) A great experience pleasure	e (b) a great fear	(c) a great enduranc	e (d) a great
50.	Akoso though that her fathe	r was <i>callous</i>		
	(a) Indifference careless	(b) compassions	ate (c) wich	ked (c)
<u>In th</u>	e questions 82-86, choose the	e option nearest in n	neaning to the words	or phrase in italics.
51.	Ugo has often been describe	ed as <i>belligerent</i> .		
	(a) Attractive	(b) patient	(c) innocent	(d) combative
52.	While the thugs exchange b	lows, we looked com	placently	
	(a) Dejectedly contentedly	(b) sorrowful	(c) questionir	agly (d)
53.	Tade became <i>timorous</i> whe	n she was asked to g	ive the valedictory spe	eech
	(a) Excited	(b) nervous	(c) aggressive	(d) happy
54.	The players kept on gamely	to the end of the mat	tch	
	(a) Amateurishly stubbornly	(b) skillful	(c) courageously	(d)
55.	Art lies in cherishing the ini	tiative and <i>creative p</i>	power of each person.	
	(a) Potential	(b) strength	(c) gift	(d) mind

In questions 87-91, choose the appropriate stress pattern from the option. The syllables are					
written capitals.					
56. Jurisprudence					
(a) JUrisprudence (b) juRISprudence (c) jurisPRUdence (d) jurispruDENCE					
57. Suburbanite					
(a) SUburbanite (b) subURbanite (c) suburBAnite (c) suburbaNITE					
58. Departmentalize					
(a) departMENtalize (b) dePARTmentalize (c) DEpartmentalize (d) departmenTAlize					
59. Organise					
(a) ORGAnise (b) orGAnise (c) orgaNISE (d) orGANISE 60. International					
(a) International (b) international (c) international (d) international					
61. Choose the option that best conveys the meaning of the underlined portion in the following sentence					
Being an optimist, our professor always sees the <u>bright side</u> of most things.					
(a) charming (b) illumined (c) brilliant (d) pleasing					
62. Choose the option that best conveys the meaning of the underlined portion in the following sentence					
The state government appointed a commission of inquiry <u>to go into</u> the community's complaints carefully and without prejudice.					
(a) investigate (b) search (c) look for (d) account for					
63. Choose the option that best conveys the meaning of the underlined portion in the following sentence					

The traffic situation in Lagos can lead to disastrous consequences; a man lost a very lucrative job because he was <u>held up</u> by it.					
(a) confused (b) delayed (c) annoyed (d) intrigued 64. Choose the option that best conveys the meaning of the underlined portion in the following sentence					
The two sprinters wer	re running neck and neck	<u>-</u>			
(a) exactly level	(b) very slowly	(c) very fast	(d) together		
65. Choose the option sentence	n that best conveys the mo	eaning of the underlined	d portion in the following		
He stared at her.					
(a) glanced	(b) peeped	(c) looked	(d) gazed		
67. Choose the option sentence	n that best conveys the mo	eaning of the underlined	d portion in the following		
When the man was ca he attacked the police	nught by the police, he <u>pr</u> eman	esented a bold front. (a)		
(b) he walked up to the	ne policeman				
(c) he faced the situat	ion with apparent boldne	ess			
(d) he bravely attempted to give them a present					
68. Choose the option that best conveys the meaning of the underlined portion in the following sentence					
I have been able to observe him at close quarters.					
(a) in government hor	use nearby				

(b) within a short s	pace of time				
(c) in a small famil	y house (d) at clos	se range			
69. Complete the fo	ollowing sentence	by choosing the	option that mo	st suitably fills the space.	
When the beggar w	vas tired he do	wn by the roadsi	de.		
(a) lied70. Complete the formula	(b) laid ollowing sentence	(c) layed by choosing the	(d) lay option that mo	st suitably fills the space.	
He did not like l	eaving the class e	arly.			
(a) we	(b) us	(c) our	(d) ourselve	es	
71. Complete the fo	ollowing sentence	by choosing the	option that mo	st suitably fills the space.	
The boy was bo	orn before his pare	ents actually got	married and so	the court has cleared him	
(a) illegal	(b) illegitii	mate	(c) illicit	(d) unlawful	
72. Complete the fo	ollowing sentence	by choosing the	option that mo	st suitably fills the space.	
As he was still owi	ng me two Naira,	I was careful no	t to him any	more money.	
(a) lend	(b) loan	(c) borrow	(d)	credit	
73. Complete the following sentence by choosing the option that most suitably fills the space. If you travel by air. You will give an allowance to cover					
(a) a luggage	(b) luggage	e (c)	luggages	(d) a baggage 74.	
Complete the following sentence by choosing the option that most suitably fills the space.					
Bola and Sade lived	Bola and Sade lived about the same time and therefore poets.				

(a) contrary	(b) contractual	(c) contempo	raneous	(d) contemporary		
75. Complete the fo	ollowing sentence by	choosing the option t	hat most suitabl	y fills the space.		
Remember, this ma	tter is strictly					
(a) between you an	d I					
(b) among you and	me					
(c) between you an	d me					
(d) between you and 76. Complete the fo		choosing the option t	hat most suitabl	y fills the space.		
They receive vis	sitors on short notice	: .				
(a) use to	(b) are used to	(c) are alv	vays	(d) are use to		
77. Complete the fo	ollowing sentence by	choosing the option t	hat most suitab l	ly fills the space.		
His suggestions are	completely the p	point and cannot be acc	cepted.			
(a) to	(b) about	(c) beside	(d) on			
78. Complete the following sentence by choosing the option that most suitably fills the space.						
He went up quickly and returned						
(a) fastest	(b) fastly	(c) as fastly	(d) as fas	t		
79. Complete the following sentence by choosing the option that most suitably fills the space.						
Invariably, he ends his letters with amicably.						

(a) you	(b) your's	(c) yours'	(d) your own		
80. Complete the	following sentence by	choosing the option the	nat most suitably fills the spa	ce.	
Our plane was sch	heduled to at 10:00	hrs but it was delayed	because of the bad weather.		
(a) fly out	(b) take off	(c) start out	(d) shoot off		
81. Complete the If I went to the ci		choosing the option th	nat most suitably fills the space	ce.	
(a) shall return	(b) am returnin	ng (c) wou	ld return (d) may re	eturn	
82. Complete the	following sentence by	choosing the option the	nat most suitably fills the spa	ce.	
Before we left the	e train station, each pas	senger was made to	. certain form.		
(a) fill in	(b) write in	(c) enter in	(d) go through		
	following sentence by rector did not pay his st		nat most suitably fills the space	ce.	
(a) didn't he	(b) had he not	(c) is not	it (d) did he		
84. Complete the	following sentence by	choosing the option the	nat most suitably fills the spar	ce.	
Granted you are my senior by one year, you cannot around as if I were your servant.					
(a) control	(b) dribble	(c) order	(d) ask		
85. Complete the following sentence by choosing the option that most suitably fills the space.					
The train rattled along full speed.					
(a) in	(b) at (c)	with (d)	on		
86. Complete the following sentence by choosing the option that most suitably fills the space.					

If this had happened	to you, what?						
(a) would you do	(b) have you done	(c) would you have done	(d) will you do 87.				
Complete the follow	ing sentence by choosing	ng the option that most suitable	ly fills the space.				
There were so many	There were so many children						
(a) that she couldn't	feed them all						
(b) that she could fee	ed						
(c) that she couldn't	feed						
(d) that she could fee 88. Complete the fol		osing the option that most sui	tably fills the space.				
In West Africa, the .	of sickle cell is about	25 percent.					
(a) incident	(b) incidence	(c) accident	(d)accidence				
89. Complete the following sentence by choosing the option that most suitably fills the space. We got to the hall after the play							
(a) is started	(b) was starting	(c) had started	(d) has started				
90. Choose the option nearest in meaning to the sentence below.							
For all he cared, his	parent might have been	dead for years.					
(a) although concern about his parent, he had been unable to find out if they were alive							
(b) he cared for no one except his parents, and it was possible that they had died long before							

(c) he did not care whether his parents were alive or had died long before
(d) he was concerned about everyone not just his parents who might have died long before
91. Choose the option nearest in meaning to the sentence below.
Had she asked me earlier, I might have been able to employ him.
(a) I employed her
(b) I did not employ him
(c) I employed him
(d) I did not employ her
92. Choose the option nearest in meaning to the sentence below.
As he was a gullible leader, his followers took advantage of him.
(a) He was weak and unable to enforce his authority (b)
He was simple-minded to a fault.
(c) He was partial and unfair in dispensing justice. (d) He was slow to act
93. Choose the option nearest in meaning to the underlined word(s).
I didn't think she could be so easily <u>taken in</u> by his pretenses. (a) flattered (b) deceived (c) overcomed (d) blackmailed .
94. Choose the option nearest in meaning to the underlined word(s).

The story told by the suspect was <u>difficult to believe</u> .
(a) incredulous (b) credible (c) credulous (d) ridiculous
95. Choose the option nearest in meaning to the underlined word(s).
Most of his observations were wide off the mark.
(a) comprehensive (b) irrelevant (c) pertinent (d) came rather late
96. Choose the option nearest in meaning to the underlined word(s).
He heard a <u>loud noise</u> of the huge air-raid siren.
(a) buzz (b) crack (c) rumble (d) whistle
97. Choose the option nearest in meaning to the underlined word(s).
One of the stages of the creative process is the <u>incubation perio(d)</u> This refers to the period when
(a) the idea is firmly fixed through repetition
(b) the person suddenly comes upon the idea
(c) the person thinks over the idea
(d) the person thinks over the idea
98. Choose the correct option that completes the following sentence. The young teacher was surprised that his promotion was approved by the old inspector who is generally known to
(a) be generous (b) be friendly to young people (c) be hard to please (d) be very careful

99. Complete the following with the appropriate answer to the question. John, would you mind lifting this box?
(a) yes, I mind (b) no, I don't (c) no, I do (d) yes, I don't mind 100.
Choose the expression or word which best complete the sentence.
It was a long poem but he learnt it
(a) off head (b) in memory (c) by heart (d) at heart
101. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
Only the small fry get punished for such social misdemeanours
(a) small boys (b) unimportant people (c) frightened people (d) frivolous people
102. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
He spoke with <u>his heart in his mouth.</u>
(a) courageously
(b) with such unusual cowardice
(c) with a lot of confusion in his speech
(d) with fright and agitation
103. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
His jail terms were run <u>concurrently</u> .
(a) simultenously (b) uniformly (c) laboriously (d) judiciously

104. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
The bill has to wait as we are now <u>insolvent</u> .
(a) overworked (b) bankrupt (c) unsettled (d) affluent 105. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
All his plans <u>fell through</u> .
(a) failed (b) were accomplished (c) had to be reviewed (d) were rejected
106. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
The result of his experiment represents a <u>breakthrough</u> in medical science.
(a) an outstanding success
(b) catastrophe
(c) breaking point
(d) colossal failure
107. Choose the option that best conveys the meaning of the underlined portion of the below sentence.
He was appointed specifically to put the recruits through.
(a) assign them to work
(b) train them
(c) discipline them

108. Choose the option that best conveys the meaning of the underlined portion of the below sentence.

Mrs Dada has been deserted by her husband because he feels she has a heart of stone.

- (a) she has a heavy heart
- (b) she has little warmth of feeling
- (c) she has a hard heart
- (d) she is hard-hearte(d)
- 109. If my Father had not arrived, I would not have starve(d) This sentence means
- (a) my father did arrive and I didn't starve
- (b) I had to starve because my father didn't come
- (c) my father didn't arrive and I didn't starve
- (d) I had starved before my father arrived
- 110. Choose the option that **most suitably** fills the gap in the sentence below.

Before the operation, the dentist found that his patient's teeth

- (a) have long decayed
- (b) have long been decayed
- (c) have long being decayed
- (d) had long decayed
- 111. Choose the option that best conveys the meaning of the underlined portion of the below sentence.

The employer, not the	e salesman and	his representati	ve resp	onsible for the loss.
(a) are (b) are be	eing (c) ar	re never	(d) is	
112. Choose the options sentence.	on that best conv	veys the meaning	ng of the ui	nderlined portion of the below
In order to carry out i	necessary exami	ination, the dea	d body wa	s
	extradited on that best conv		` /	med nderlined portion of the below
He went abroad with	a view a bus	iness partner.		
(a) to find (b) to	be finding ((c) to have foun	nd (d)	to finding
114. Choose the options sentence.	on that best conv	veys the meaning	ng of the ui	nderlined portion of the below
He had just entered the	ne office the	telephone rang.	•	
(a) as (b) before	(c) since	(d) when		
115. Choose the options sentence.	on that best conv	veys the meaning	ng of the ui	nderlined portion of the below
My father cannot bea	r the of the c	oncoction that	emanates f	from my mother's soup pot.
(a) scent (b) aron	na (c) smo	ell (d) sav	our	
116. Choose the word	d or phrase near	est in meaning	g to the wo	ord(s) underline(d)
In some parts of our s	society, people a	are <u>ostracized</u> p	ourely on th	ne basis of their parentage.
(a) hated (b) disre	espected (c) shut off from	others	(d) abandoned

117. Choose the word or phrase nearest in meaning to the word(s) underline(d)
Sitting majestically on his throne is the Oba of Benin <u>flanked</u> by his wives.
(a) surrounded (b) supported (c) guarded (d) protected
118. Choose the appropriate option to fill the gap in the sentence below.
As a result of the injury sustained on the football field, Sola was with a broken leg for months.
(a) laid off (b) laid out (c) laid on (d) laid up
119. Choose the word or phrase nearest in meaning to the word(s) underline(d)
I listened with rapt attention as he never suspected that I knew he was telling me <u>a cock and bull</u> <u>story</u> .
(a) a story about a cock
(b) a story about bull
(c) an interesting story
(d) an incredible story
120. Choose the word or phrase nearest in meaning to the word(s) underline(d)
When a man is <u>immune</u> to an illness, he is
(a) opposed to it (b) attached to it (c) hated by it (d) protected against it 121.
Complete the sentence with the correct option .
Shall we go to the union meeting? No thank you, I do not feel like anywhere.
(a) go (b) going (c) to go (d)to have gone
122. Complete the sentence with the correct option .

I started writing	g this test at 8:00an	n. It is 10:0)0am no	w. By 11	:00am, I i	t for three hours. (a)
shall be writing	(b) have been	writing	(c) sha	ll have be	een writing	(d) was writing
123. Complete	the sentence with t	he correct	option	. Don't s	tudy on the e	xamination day.
What did he tel	l you? He told me	on the e	examina	tion day.		
(a) no studying	(b) don't study	(c) not	study	(d) no	t to study 12	4.
Choose the bes	t option to fill the	gaps in the	follow	ing sente	nce.	
I am a student a	and Musa. I left	for the uni	versity,	and N	Лusa.	
(a) was, does	(b) so is, so did	(c) so	was, so	does	(d) he is, he	did 125.
Choose the bes	t option to fill the	gaps in the	follow	ing sente	nce.	
X7 1 1	1 46 1	C C	41	TT	C .	1 1 44 9
You have been	absent from classe	s for four i	montns.	How car	ı you Ior t	ne lost time?
(a) make in	(b) make up	(c) make	off	(d) make	out	

ANSWERS: USE OF ENGLISH

1. C	38. A	75. C	112. D	
2. B	39. C	76. C	113. D	
3. B	40. C	77. A	114. D	
4. B	41. C	78. D	115. C	
5. A	42. C	79. D	116. C	
6. B	43. C	80. B	117. A	
7. C	44. D	81. C	118. A	
8. C	45. B	82. D	119. C	
9. D	46. A	83. D	120. D	
10. C	47. B	84. C	121. B	
11. C	48. A	85. A	122. C	
12. B	49. A	86. C	123. D	
13. C	50. B	87. A	124. B	
14. B	51. D	88. B	125. B	
15. C	52. D	89. C 16. D	53. H	3
90. C 17. A	54. C		91. B 18. B	
55. A	92. C 19. A		56. B	93. B
20. B	57. A	94. C		
20. B 21. D	57. A 58. B	94. C 95. B		
21. D	58. B	95. B		
21. D 22. A	58. B 59. A	95. B 96. D		
21. D 22. A 23. B	58. B 59. A 60. B	95. B 96. D 97. C		
21. D 22. A 23. B 24. B	58. B 59. A 60. B 61. D	95. B 96. D 97. C 98. D		
21. D 22. A 23. B 24. B 25. C	58. B 59. A 60. B 61. D 62. A	95. B 96. D 97. C 98. D 99. B		
21. D 22. A 23. B 24. B 25. C 26. B	58. B 59. A 60. B 61. D 62. A 63. B	95. B 96. D 97. C 98. D 99. B 100. C		
21. D 22. A 23. B 24. B 25. C 26. B 27. A	58. B 59. A 60. B 61. D 62. A 63. B 64. A	95. B 96. D 97. C 98. D 99. B 100. C 101. B		
21. D 22. A 23. B 24. B 25. C 26. B 27. A 28. B	58. B 59. A 60. B 61. D 62. A 63. B 64. A 65. D	95. B 96. D 97. C 98. D 99. B 100. C 101. B 102. D		
21. D 22. A 23. B 24. B 25. C 26. B 27. A 28. B 29. A 30. D	58. B 59. A 60. B 61. D 62. A 63. B 64. A 65. D 66. C 67. C	95. B 96. D 97. C 98. D 99. B 100. C 101. B 102. D 103. A 104. B		
21. D 22. A 23. B 24. B 25. C 26. B 27. A 28. B 29. A	58. B 59. A 60. B 61. D 62. A 63. B 64. A 65. D 66. C	95. B 96. D 97. C 98. D 99. B 100. C 101. B 102. D 103. A		

33. C	70. C	107. B	
34. A	71. B	108. D 35. C	72. A
	109. A 36. C	73. B	110. D
37. B	74. D	111. D	

MATHEMATICS

	r p in this following (+110) = 1001p	equation given in		
·-	(b) 11	(c) 110	(d) 111.	
students take chemic economics and gov take both chemistry	istry, 19 take econon ernment but nobody	nics and 25 take gove	omics and government, 8 ernment. 12 students take economics. How many students	\$
		•	anies which paid dividends of 59 ridends, how much did he invest	
(a) N160,000	(b) N140,000	(c) N120,000	(d) N80,000.	
4. A cyclist rode fo the range of values		hr. If the total distance	ce covered is less than 60km, wh	ıat is
(a) x<14	(b) x<20	(c) $x < 29$	(d) $x < 28$	
	stant and partly varie 11. Find the value of	•	uare of d. when $d = 1$, $z = 11$	
(a) 2	(b) 3.5	(c) 5	(d) 5.5	
(b) (12x+8y-5a-10b (c) 20(3x+2y-a-2b)	b) (12x+8y-5a-10b) b) (12x+8y-5a-10b) (3x+2y+a+2b)			
(d) $20(3x+2y+a+2b+a+2b+a+2b+a+a+a+a+a+a+a+a+a+a+a+a+$	b) (3x+2y+a+2b)			
7. A cone has a bas (a) 12лст ²	e radius 4cm and he (b) 24 лсm ²	ight 3cm. The area of (c) 20 лсm ²	f its curved surface is (d) 15 лсm ²	

8. Let log	$y + \log 3 = 3. T$	Then, y is		
(a) $x - 4x - 4x^3 - 4x^2 - 4x^3 - 4x^2 - 4x^3 - 4$				
` '	$-4x^2-5x-3$	` '		oint Q. She then walks 30m on a
			g of B from P is	omit Q. She then warks 30m on a
(a) 90^0	(b) 50^0	(c) 45^0	(d) 40^0	
11 A reon	ılar nolygon ha	s each of it an	oles as 160° What is the	number of sides of the polygon?
(a) 36	nar porygon na	(b) 9	(c) 18	(d) 20.
12. The in	terior angles of	f a pentagon a	re: 180 ⁰ , 118 ⁰ , 80 ⁰ , 78 ⁰ an	d x. The value of x is:
(a) 75^0	C		(c) 120^{0}	(d) 134^0
13. All triangle is 130^0	the vertices of 65°. The angle (b) 115	subtended at	triangle lie on a circle and the centre of the circle by (c) 100^0 (d) 6	each of the base angles of the the base of the triangle is: (a) 65°
	quare tile meas suring 5m by 4	_	20cm. How many of suc	h files will cover a
(a) 500	S J	(b) 400	(c) 320	(d) 250
	olume of a cof the sphere is	-	is numerically equal to	twice its surface area. The
(a) 6		(b) 9	(c) 12	(d) √6
16. A bear	ring of 310^0 , ex	pressed as a c	ompass bearing is:	
$(a) N50^0 W$	_	(b) N40 ⁰ W	(c) $S40^{0}W$	(d) $S50^{0}W$

	of the three children in rage age of the whole f		t the average ag	ge of their parents is
(a) 20 years	(b) 21 years	(c)24 year	ars	(d) 27 years.
18. Simplify 1 +	3 ÷ (1 +			
19. Evaluate x in	base 3 if $41_x - 22_x = 1$	7_{x}		
(a) 11	(b) 8	(c) 12		(d) 22
	ys 4 bags of rice for ₩. A" (₦) in base 7. What			
(a) M224	(b) M114	(c) M340) (d)	M440
	ce of egg was raised by by N5. The present pri		ber of eggs which	ch can be bought for
(a) № 6	(b) № 7	(c) № 8	(d) N 10	
22. How long wi original sum?	ll it take a sum of mon	ey invested at 8% sin	aple interest to d	louble the
(a) 8 years	(b) 10.5 years	(c) 12 years	(d) 12.5	years.
	from Lagos to Ibadan u d by 20km/hr, the moto (b) 90	orist saves 15 minutes		
24. The smallest either 30cm 0r 30	section of a rod which	can be cut into exact	ly equal section	s, each of
(a) 90cm	(b) 180cm	(c) 360cm	(d) 540cm	n
	+ 0.00074 + 0.003174 significant figure?	, what is the difference	ce between x an	d 2 decimal

26.	26. The angle of depression of two point A and B on a plane field from the top of a mast erected between A and B are 30° and 45° respectively. If A is westward of B, find AB if the height of the mast is 15m from the field.							
		m	(b) $5(3+\sqrt{3})$)m	(c) $15(1+\sqrt{3})$)m	(d) 15()m
27.	The radius	of a circl	e is given as 1	0cm subjec	t to an error of	0.2cm	. the error in t	the are of the
				(c) 2%		(d)	4%	
28.	-				0 students speak		-	Igbo, while
(a)	96		(b) 8	(c) 64	(d) 12			
29.	_	-	llow balls, 6 g at it is a black		black balls. A l all?	oall is d	lrawn from th	e bag. What
30.	The expres	ssion a ³ +	b ³ is equal to					
(a)	$(a^2 + b)(a - b)$	$-ab-b^2$						
(b)	$(a+b)(a^2-$	$-ab+b^2$						
(c)	$(a-b^2)(a^2$	-ab+b)						
(d)	$(a - b)(a^2 +$	$ab + b^2$						
31.	A cylinder	has heigh	ht 4cm and ba	se radius 5c	m. its volume	to 3 sig	nificant figur	e is
(a)	314.2cm ²	(b)	31.42cm ²	(c) 25	1.4cm ²	(d)	251cm ²	
	Find the vand (-1, 3).		if the line join	ing (P, 4) ar	nd (6, -2) is pe	rpendic	cular to the lir	ne joining (2,

(c) 0.1

(d) 0.005

(b) 0.0051

(a) 0.01

(a) -3	(b) 47	(c) 61	(d) -47			
34. Let $f(x) = 2x - 3x - 5x + 6$. If $x - 1$ divides $f(x)$ find the zeros of the function.						
(a) 1, 2,	(b) 1,2,	(c) -1, 2, 3				
35. The difference	of two numbers is 10, w	hile their product is 39.	Find these numbers			
(a) -3 and 10 or 13	and 10					
(b) 3 and -10 or 3 a	and 13					
(c) 3 and -3 or 3 ar	nd 13					
(d) -3 and -13 or 13	3 and 3.					
	ge of x pupils in a class is the average age is increa	•	pupil of 15 years 2 months d x.			
(a) 12 (b) 6 37. If the distance velocity? (a) 0ms ⁻¹	(c) 11 covered by a body in tim (b) -4ms ⁻¹	(d) 14. the t seconds is $s = t^3 - 6$ (c) $(3t - 12t - 5)$ ms ⁻¹				
38. In a throw of a	fair die the probability o	of obtaining an even nur	nber is			
(a) 1						
39. Two fair coins are tossed simultaneously. What is the probability of obtaining <i>at least 1 tail turns up?</i>						
		(d) 1			
40. One angle of polygon?	of a polygon has each of	its angles as 160°. Wha	t is the number of sides of the			
(a) 18	(b) 36	e) 9 (d) 20			

(c) 3 (d) zero

(a) 4

(b) 6

33. Dividing 2x - x - 5x + 1 by x + 3 gives the remainder.

41. One angle of a angles.	n octagon is 100^0 whil	e the other sides are ed	qual. Find each of these exterior			
(a) 80	(b) 60	(c) 140	(d) 40			
42. In a right-angled triangle, $\tan \Theta = \frac{3}{4}$, what is the value of $\sin \Theta + \cos \Theta$?						
43. If sin Θ ,	then is	=				
(a) sec Θ	(b) tan Θ	(c) sin Θ	(d) a $\cos \Theta$			
44. The coordinate 3:2 is	es of the point dividing	g the line AB (-1, 2) an	d B(3, 4) extremely in the ratio			
(a)(11,8)	(b)(8,5)	(c)(5,11)	(d)(5,9)			
45. The point P (p,	5) lies on the line joir	ning A (1, 2) and B (-4	, 7). The ratio AP: AB is			
(a) 2:3	(b) 3:2	(c) 4:5	(d) 3:4			
46. The ends of a contract o	liameter of a circle are	e(-2, 3) and $(4, 7)$. The	equation of the circle is			
(a) $x^2 + y^2 - 2x - 10$	0y + 15 = 0					
(b) $x^2 + y^2 + 2x - 1$	10y - 13 = 0					
	$10y + 15 = 0$ (d) $x^2 + y$ radius of the circle wi	$x^2 - 2x - 10y - 15 = 0.$ ith the equation $x^2 + y^2$	$x^2 - 2x + 6y + 5 = 0$			
(a) (1, 3) and 5	(b) (3, 1) and $\sqrt{5}$	(c) $(1, -3)$ and $\sqrt{5}$	(d) (3, -1) and 5.			
48. Evaluate						
(b) -1	(c) 1				

	-	ion $pm^2 + qm + 1$ is did the remainder is 4. I	• `	l), it has a remainder of and when pectively.
(a) 2,	1	(b) 2, -1	(c)-1, 2	(d) 1, 2.
50.	If α and β are t	he roots of the equation	on $x^2 - 5x - 7 =$	= $0. \alpha^2 \beta + \alpha \beta^2$ is

51. If α and β are the roots of the equation $2x^2 + 7x + 3 = 0$. Obtain the equation $\frac{1}{62}$ whose roots are and

(c) 42 (d) -42.

```
(a) 9x^2 - 37x + 4 = 0
```

(b)
$$4x^2 + 49x + 9 = 0$$

(c)
$$2x^2 - 7x + 3$$

(a) 35

(d)
$$3x^2 - 37x - 2 = 0$$

52. If one root of the equation $27x^2 + bx + 8 = 0$ is the square of the other. Find b

(b) -35

53. For what values of m does the equation $x^2 + 9 = (4m + 1)x$ have equal roots?

54. If $\log_{10} 2 = y$, express $\log_{10} 12.5$ in terms of y.

(a)
$$2-3y$$
 (b) $2(1-y)$ (c) $2(1+y)$ (d) $2+3y$.

55. Simplify

56. Find the roots of $x^3 - 2x^2 - 5x + 6 = 0$.

(a) 1, 3, -2	(b) 1, 2, -3	(c) -1, -2, 3	(d) -1,	2, 3			
57. Find the remainder when $3x^3 + 5x^2 - 11x + 4$ is divided by $x + 3$							
(a) 4	(b) 1	(c) -1	(d) -4				
58. What fa	58. What factor is common to all the expressions $x^2 - x$, $2x^2 - 1$ and $x^2 - 1$?						
(a) x	(b) $x - 1$ (c) $x + 1$	d) no com	non factor.				
	s of 40 students, 32 offer thematics nor Physics. I	·	•				
(a) 4	(b) 16		(c) 20	(d) 8			
60. The probability of a student passing any exam is 2/3. If the student takes three exams, what is the probability that he will not pass any of them?							
(a) 2/3	(b) 4/9	(c) 8/27	(d) 1/27				
61. Find th	e mean of the data: 7, -3	3, 4, -2, 5, -9, 4, 8, -6	5, 12.				
(a) 3	(b) 4	(c) 1	(d) 2				
62. Find th	e value of a if the line 2	y - ax + 4 = 0 is per	pendicular to the lin	ne $y + (x/4)-7=0$			
(a) -4	(b) 4	(c) 8	(d) -8				
63. A hunter 1.6m tall, views a bird on top of a tree at an angle of 45 degrees. If the distance between the hunter and the tree is 10.4m, find the height of the tree.							
(a) 9.0m	(b) 12.0m	(c) 8.8	m (d)	10.4m			
64. The sum of the interior angles of a polygon is 20 right angles. How many sides does the polygon have?							
(a) 12	(b) 20	(c) 40	(d) 10				

65. A bucket is 12cm in diameter at the top, 8cm in diameter at the bottom and 4cm deep. Calculate its volume.						
(a) 304 m/3 cm^3 66. If $\tan = 4/3$, $\cot 3 = 4/3$	` '		(c) $128 \pi/3 \text{ cm}^3$	(d) 72 :	τ/3 cm ³	
(a) 16/25	(b) 24/25		(c) 7/25	(d) 9/25		
67. Make r the subjection (a) $a^2/(x-a)$ The binary operation	(b) $a^2/(x+a)$		(c) a/(x-a)			
Find 2 * (3 * 4).						
(a) 59	(b) 19	(c) 67	(d) .	38		
70. The inverse func	etion f(x) = 3x + 4 i	s				
(a) $(x-4)/3$	(b) $(x-5)/5$		(c) $(x+3)/4$	(d) ((x+4)/3	
71. If the 9 th term of	an A.P. is five time	es the 5 ^t	h term, find the re	elationship betw	een a and d.	
(a) $2a + 2 = 0$	(b) $3a + 5d = 0$		(c) $a + 3d = 0$	(d) a +	2d=0.	
72. Evaluate ∫ sin 3	x dx					
(a) $(2/3) \cos 3x + c$	(b) $(1/3) \cos 3x$	+ c	(c) $(-1/3) \cos 3x$	+ c (d) $(-2/3)$	$3)\cos 3x + c$	
75. Find the derivati	ve of $y = \sin^2(5x)$	with res	pect to x.			
(a) 10 sin 5x cos 5x	(b) 5 sin 5x cos	5 5x	(c) 2 sin 5x cos 5	5x (d) 15 sin	1 5x cos 5x	
76. A circle with radius 5cm has its radius increasing at the rate of 0.2 m/s . What will be the corresponding increase in the area?						
(a) 2π	(b) 5π	(c) π	(d) 4 π		
77. The slope of the tangent to the curve $y = 3x^2 - 2x + 5$ at the point $(1, 6)$ is						
(a) 4	b) 1	(c) 6	(d) 5			

78. If $dy/dx = 2x - 3$ and $y = 3$ when $x = 0$, find y in terms of x.						
(a) $2x^2 - 3x$	(b) $x^2 - 3x$	(c) $x^2 - 3x - 3$	(d) $x^2 - 3x + 3$			
79. Evaluate: $(0.21 \times 0.072 \times 0.00054) \div (0.006 \times 1.68 \times 0.063)$, correct to 4 s.f.						
(a) 0.01286 80. If log 10 to base		(c) 0.1286 5 to base 8 in terms o	(d) 0.1285 of X.			
(a) (1/2) X	(b) $X - (1/4)$	(c) $X - (1/3)$	(d) $X - (1/2)$			
81. If $\{(a^2b^{-3}c)^{(3/4)}\}$	$a^{-1}b^{-4}c^{5}$ } = $a^{p}b^{q}c^{r}$. Wh	at is the value of p +	2q?			
82. A trader bought	(a) (5/2) (b) –(5/4) (c) –(25/4) (d) -10 82. A trader bought 100 oranges at 5 for N1.20, 20 oranges got spoilt and the remaining were sold at for N1.50. Find the percentage gain or loss.					
(a) 30% gain	(b) 25% gain	(c) 30% loss	(d) 25% loss			
83. If $2_9 \times (3Y)_9 = 3$	$S_5 \times (3Y)_5$, find the va	lue of Y.				
(a) 4 (b) 3	(c) 2	(d) 1				
84. If $m*n = (m/n - m/n)$	n/m) for m, n belong	s to R, evaluate -3*4.				
(a) -25/12	(b) -7/12 (c	e) 7/12 (d) 2	25/12			
85. Factorize compl	etely $X^2 + 2XY + Y^2$	$x^2 + 3X + 3Y - 18$				
(a) $(x+y+6)(x+y+3)$	(b) $(x-y-6)(x+y-6)$	+3) (c) (x-y+6) (x-y+6)	-3) (d) (x+y-6) (x+y+3)			
86. Tope bought X mangoes at N5.00 each and some apples at N4.00 each. If she bought twice as many apples as mangoes and spent at least N65.00 and at most N130.00, find the range of values of X.						
(a) 4≤X≤5	(b) 5≤X≤8	(c) 5≤X≤10	(d) 8≤X≤10			

(b) $1/3 \{(1/x-1) -$	$(x + 2/x^2 + x + 1)$ }						
(c) $1/3 \{(1/x-1)-(x-2/x^2+x+1)\}$							
(d) $1/3 \{(1/x-1) -$	$(x - 2/x^2 - x - 1)$						
88. Divide $4x^3 - 3x$	x - 1 by $2x - 1$.						
(a) $2x^2 - x + 1$ 89. In \triangle MNO, MN meets NO at P, calc	= 6 units, MO = 4 units	(c) $2x^2 + x + 1$ nits and NO = 12 units	(d) $2x^2 + x - 1\#$. If the bisector of N and M				
(a) 4.8 units	(b) 7.2 units	(c) 8.0 units	(d) 18.0 units				
		points Q and R are 67 ⁰ = 150m, calculate PR.	W and N23 ⁰ E respectively. If the				
to this error, the stu	ndent was working we less than the actuanumber?	ith a number bigger in I number. If the sum of	(d) 160m by an overworked student. Due value, and its difference with the the two digits is half a score.				
(a) 43	(b) 34	(c) 73	(d) 37				
92. Evaluate	. Wh	ere letter $z = \pi/4$.					
(a) $\sqrt{2} + 1$	(b) $\sqrt{2} - 1$	(c) $-\sqrt{2}$ –	1 (d) 1 -				
93. Let $P = \{1, 2, u\}$	$, v, w, x$; $Q = \{2, 3,$	u, v, w, 5, 6, y} and R	$= \{2, 3, 4, v, x, y\}.$				
Determine (P - Q) 1	ı R.						
(a) $\{1, x\}$	(b) $\{x, y\}$	(c) $\{x\}$	(d) 0.				

87. Express $1/(x^3 - 1)$ in partial fraction.

(a) $1/3 \{(1/x-1) - (x-2/x^2-x+1)\}$

93. If $(2\sqrt{3} - \sqrt{2})/($	$\sqrt{3} + 2\sqrt{2}) = m + r$	$1\sqrt{6}$, find t	the values of m and	n respectively.
(a) 1, -2	(b) -2, 1	(c)	-2/5	(d) 2, 3/5
			leposit at 25% compow much does he ne	oound interest so that ed to deposit?
(a) N112,000.50	(b) N96,000.0	0	(c) N85,714.28	(d) N76,800.00
95. If 314 ₁₀ – 256 ₇ =	$=340_x$, find x.			
(a) 7	(b) 8	(c) 9	(d) 10)
96. The third term of difference.	of an A.P. is $4x - 2y$	and the 9 th	term is $10x - 8y$. Fi	nd the common
(a) $19x - 17y$ 97. A trader realize give him the desired	_	-	(c) $x - y$ sale of x bags of con	(d) 2x rn. How many bags will
(a) 4	(b) 5	(c) 6	(d) 7	
98. Solve the inequ	ality $2 - x > x^2$			
(a) $x < -2$ or $x > 1$	(b) $x > 2$ o	or x < -1	(c) $-1 < x < 2$	2 (d) $-2 > x < 1$
99. If α and β are the	e roots of the equat	$ion 3x^2 + 5x$	x - 2 = 0, find the va	alue of $1/\alpha + 1/\beta$.
(a) -5/3 100. An equilateral	(b) -2/3 triangle of side $\sqrt{3}$ c	(c) ½ cm is inscrib	` /	5/2 the radius of the circle.
(a) 2/3 cm	(b) 2 cm	((c) 1 cm	(d) 3 cm
101. If $y = 2x - \sin x$	2x, find dy/dx when	$n x = \pi/4$.		
(a) π	$(b) - \pi$	(c) π/2	2 (d)	$)-\pi/2$

102. If the volume of a hemisphere is increasing at a steady rate of 18π m/s, at what rate is its radius changing when it is $6m$?							
(a) 2.30 m/s	(b) 2.00 m/s	(c) 0.2	5 m/s	(d) 0.20 m/s			
103. If the mean of the numbers 0 , $(x + 2)$, $(3x + 6)$ and $(4x + 8)$ is 4, find their mean deviation.							
(a) 0	(b) 2	(c) 3	(d) 4				
104. In how many w	ays can the word MA	ATHEMATICS be an	ranged?				
(a) 11!/(9!2!)	(b) 11!/(9!2!2!)	(c) 11!/(2!2!2	(d)	11!/(2!2!)			
105. The variance of	x, 2x, 3x, 4x and 5x	is					
(a) $x\sqrt{2}$	(b) $2x^2$	(c) x^2	(d) 3x				
106. Find the sum of 10, 8, 4, 6, 9, 10, 9,	The range and the month of the range and the month of 10, 9, 7, 10, 6, 5.	ode of the set of num	bers: 10, 9, 10	, 9, 8, 7, 7, 10, 8,			
(a) 16	(b) 14	(c) 12	(d) 10				
	ays can a delegation at least one woman		among 5 men	and 3 women, if			
(a) 15	(b) 28	(c) 30	(d) 45				
108. Simplify (
(a) 84.7	(b) 70.7	(c) 217.7	(d)	168.7			
109. Find the range of	of these fractions: 1/	6, 1/3, 3/2, 2/3, 8/9 a	nd 4/3				
(a) $\frac{3}{4}$	(b) 5/6	(c) 7/6	(d) 4/3	3			
110. Find the number of ways of selecting 8 subjects from 12 subjects for an examination.							
(a) 490 (b) 495 (c) 496 (d) 498 111. Teams P and Q are involved in a game of football. What is the probability that the game ends in a draw?							

(a) 2/3	(b) $\frac{1}{2}$	(c) 1/3	(d) ½	
112. Find the rate of c	hange of the volume V	of a sphere with response	ect to its radius r, v	when $r = 1$.
(a) 12 π	(b) 4 π	(c) 24 π	(d) 8π	
113. Differentiate (2x	(x - 4) with resp	ect to x.		
(a) $4(2x+5)(x-4)$				
(b) $4(2x+5)(x-3)$				
(c) $(2x+5)(2x-13)$				
(d) $(2x + 5) (6 - 11)$				
114. P (-6, 1) and Q (6 the radius.	(6, 6) are the two ends o	f the diameter of a giv	en circle. Calculat	e
(a) 6.5 units	(b) 13.0 units	(c) 3.5 units	(d) 7.0 units	
115. Find the number exterior angle.	of sides of a regular po	olygon whose interior	angle is twice the	
(a) 6	(b) 2	(c) 3	(d) 8	
	le of radius 7.2 cm whiche radius of the base o		of 300^0 at the centr	re is used to
(a) 8 cm 117. Solve the equation	(b) 6 cm ons: $m^2 + n^2 = 29$, $m + 1$	(c) 9 cm $n = 7$	(d) 7 cm	
(a) (2,3) and (3,5)	(b) (2,5) and (5,2)	(c) (5,2) an	d (5,3) (d) (5,3	3) and (3,5)
118. Find the principa per annum.	l which amounts to N5	5,500 at a simple intere	est in 5 years at 2%	ı
(a) N4,900	(b) N5,000	(c) N4,700	(d) N,	,4800

(a) 5/8	(b) 5/2	(c) 5/4	(d)5/16
120. Expression b, c respectively?		x = 1. If its derivative is 2x	x + 1, what re the values of a,
(a) 1, 3, 1 121. Evaluate \int_{-1}^{1}	(b) 1, 2, 1 $_{2}(x-1)^{2} dx$	(c) 2, 1, 1	(d) 1, 1, 3
(a) -10/3	(b) 7	(c) 9	(d) 11
122. If the minim	num value of $y = 1 + hx$	$-3x^2$ is 13, find h.	
(a) 13	(b) 12	(c) 11	(d) 10
number of memb	ers who like both traditi		50 like traditional music. The three times that of those who ype of music?
(a) 8	(b) 24	(c) 62	(d) 86
124. Simplify 3(2)	$(2^{n+1}) - 4(2^{n-1}) \div 2^{n+1} - 2^n$		
(a) 2^{n-1}	(b) 2^{n-1}	(c) 4	(d) ½
125. If $(x - 1)$, (x that order.	(x+1) and $(x-2)$ are fact	fors of the polynomial ax ³	$+bx^2+cx-1$, find a, b, c in
(a) $-1/2$, 1, $\frac{1}{2}$	(b) $\frac{1}{2}$, 1, 1	$\frac{1}{2}$ (c) $\frac{1}{2}$, 1, -1	$\frac{1}{2}$ (d) $\frac{1}{2}$, -1, $\frac{1}{2}$

119. If x = (y/2), evaluate $\{(x^3/y^3) + (1/2)\} \div \{(1/2) - (x^2/y^2)\}$

112. B 113. C 114. A 115. A 116. B 117. B 118. B 120. D 121. C 122. C 123. C 124. C 125. D

ANSWERS: MATHEMATICS

NSWERS: MATHEM
1. A
2. A
3. C
4. B
5. B
6. A
7. A
8. A
9. C
10. B*
11. D
12. D 13. B
13. B 14. A
15. A*
16. A
17. D
18. A
19. A
20. B
21. C
22. B
23. B
24. B
25. A
26. A
27. B
28. B
29. B

38. C	75. A
39. C	76. A
40. C	77. A
41. C	78. D
42. A	79. A
43.	80. C
44.	81. D
45.	82. B
46.	83. D
47. B*	84. C
48. A	85. A
49. B*	86. C
50. B	87. C
51. B	88. D
52. A	89. B
53. B	90. C
54.	91. D
55. B	92. B
56. B	93. B
57. A	94. D
58. B	95. A
59. D	96. C
60. C	97. B
61. D	98. D
62. D	99. D
63. C	100. C
64. D	101. D
65. A	102. C
66. A	103. C

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30. D
31. B
32. A
33. D
34. B
35. D
36. A
37. C

67. C	104. C
68. D	105. B
69. A	106. A
70. A	107. D
71. D	108. A
72. C	109. D
73. C	110. B
74. A	111. D

ECONOMICS

UN	OMICS					
1.	When a demand curve is vertical, it indicates that the price elasticity of demand is					
(a) perfectly inelastic or zero elasticity						
	(b) perfectly elastic or infinite elasticity (c) imperfectly elastic (d) imperfect elastic.					
2.	If total fixed cost is the same regardless of output, the average fixed cost will be (a) decreasing (b) minimum (c) maximum (d) increasing.					
3.	Calculate the cross elasticity of demand between goods X and Y if the price of X changes from N20 to N30 per unit and demand for Y changes from 100 to 70 units.					
	(a) 0.6 (b) 1.67 (c) 1.76 (d) 6					
4.	Goods X and Y above can be described as					
	(a) complementary goods (b) substitute (c) joint goods (d) composite goods.					
5.	Which of the following is a disadvantage of socialism?					
	(a) protection of the disadvantaged					
	(b) consumes have no choice					
	(c) no exploitation					
	(d) equitable distribution of income.					
6.	An economic system in which the means of production are owned by all the people but with control usually resting in a centralized state is called					
	(a) capitalism (b) market economy (c) deregulated economy (d) socialism.					
7.	Which of the following will cause a change in demand?					
	(a) change in the price of the product					
	(b) change in technology					
	(c) change in population					
	(d) change in government policy.					
8.	Which of the following will not cause abnormal demand curve?					
	(a) normal goods					
	(b) inferior goods					
	(c) expectation of future rise in price (d) articles of ostentation.					
9.	Which of the following is not an assumption of the cardinal school of thought?					

	(a) fixed marginal utili	ty of money				
	(b) utility is measurable					
	(c) diminishing margin	nal utility (d) total u	tility is a function of s	upply.		
10.	Which of the following	g is not true?				
	(a) when total utility is	maximized margin	al utility is zero			
	(b) marginal utility usu	ally rise above total	lutility			
	(c) when total utility is	decreasing margina	al utility is negative			
	(d) marginal utility is b	below total utility ex	cept when first unit is	consumed.		
11.	Which of the following	g is true for a consu	mer at equilibrium?			
	(a) $MU_x/P_x > MU_y/P_y$					
	(b) $MU_x/P_x \le MU_y/P_y$					
	(c) $MU_x/P_y = MU_y/P_x$					
	(d) $MU_x/P_x = MU_y/P_y$					
12.		good A to B and he	cannot prefer B to A, t	then the consumer is said		
	to be	4	() 1 1	(4)		
	(a) transitive	(b) consistent	(c) ordinal	(d) axiomatic.		
13.	The process of reasoni classified as	ng from specific fac	ts to general conclusion	on in economics is		
	(a) deductive method method.	(b) positive metho	d (c) normative met	hod (d) inductive		
14.	Mr Adebayo has the or	otions of buying eith	ner a house or a Merce	edes Benz car for N2.5m		
	plus N0.5m running co cost is	ost. If he decides to	buy the Mercedes Ben	nz car, his opportunity		
	(a) N2.5m (b)	o) N3.0m	(c) the house	(d) the car.		
15.	The ultimate objective	of economics is to				
	(a) make efforts to und	lerstand how the eco	onomy works			
	(b) make the best use of scarce resources					
	(c) organize production at the lowest cost					
	(d) decide under what circumstances the government should intervene in the economy					
16.	A large standard devia	tion is an indication	of			
	(a) the size of the samp	ole				
	(b) a wide spread around the mean					

(c) a wide difference between the mean and the mode (d) the difference between the highest and lowest values.
17. A rising short-run average cost is a result of
(a) falling marginal cost
(b) diminishing returns (c) economies of scale (d) rising fixed cost.
18. The transfer of public shareholding in corporation to private enterprise is
(a) concession (b) incorporation (c) commercialization (d) privatization.
19. Trade takes place because of
(a) marginal utility (b) marginal cost (c) marginal revenue (d) comparative advantage.
20. The major problem confronting a sole proprietor is
(a) high level of risk
(b) limited expertise
(c) limited source of capital (d) high taxation.
21. If government expenses exceed revenue, this results in
(a) balanced budget (b) national debt (c) budget deficit (d) budget surplus.
22. The supply curve of a perfectly competitive firm is identical to
(a) total cost curve (b) rising portion of the marginal cost curve (c) variable cost curve.
23. The active population of a country determines the size of its
(a) economic resources (b) national income (c) force (c) voting pattern
24. Limited resources + unlimited wants = what?
(a) possibilities (b) demand (c) supply (d) scarcity
25. Unemployment as a result of technological improvement lead to replacement of labour by machinery is called (a) frictional unemployment
(b) seasonal unemployment
(c) residual unemployment (d)
structural unemployment.

26. In economic service	s, the term opportunity cost	refers to (a) the monetar	y cost of a good or
(b) the mone	y cost of hiring an economic	e resource	
(c) the value	of a good or service forgone	e	
(d) the mone	y of cost of providing a good	d or service.	
27. The econom	ic problem of how to produc	ce refers to the decision of	of
(a) who shou	ald be given the opportunity	to produce goods and ser	rvices
(b) how man	y people in the population as	re to be employed	
` '	h of current production shound of the production technique	•	on rather than saving
28. Ceteris paril	bus is used in economics wh	en (a) two variables are i	negatively related
(b) two variab	oles are positively related		
` '	of the independent variable a lue of the dependent variable		
29. During inflat	tion		
(a) borrowers	s gain (b) borrowers lose	(c) lenders gain	(d) lenders lose.
30. Basic econor	mic decisions as a result of p	problem of scarcity does	not include
(a) what to proceed consume.	roduce (b) how to produce	e (c) for whom to prod	uce (d) how to
31. Profit is a ma	ajor feature of (a) a market e	economy	
(b) a socialist	economy		
(c) a tradition	al economy		
(d) an authori	tarian economy		
32. When the qu	antity demanded equals qua	entity supplied, there is	
(a) substitution	on (b) equilibrium	(c) transformation	(d) marginalization.
33. If the price e	elasticity of demand is greate	er than one, then the dem	and is
(a) inelastic above.	(b) unit elastic	(c) elastic	(d) none of the
34. The utility le	evels at different points on a (c) unequal (d)	n indifference curve is (a) one.) zero (b)
	ese areas of economics studional dividuals or firms?	es the economic actions of	of individuals, small
(a) macroeco	onomics		

- (b) microeconomics (c) positive economics (d) normative economics.
- 36. What is the harmonic mean of 2, 4, 6 and 8?
 - (a) 3.84
- (b) 1.04
- (c) 0.26
- (d) 0.96
- 37. What is the quadratic mean of 2, 4, 6 and 8?
 - (a) 5.48
- (b) 10.95
- (c) 30
- (d) 2.74
- 38. Which of the following is a disadvantage of range as a measure of dispersion?
 - (a) it is not difficult to calculate
 - (b) it is difficult to understand
 - (c) it gives rough estimate of the difference between two values (d) it is sensitive to extreme values.
- 39. Which of the following is a major difference of arithmetic mean?
 - (a) it can be obtained graphically obtained
 - (b) it ignores extreme values (c) it uses all the items in the data (d) it has ability to conceal some facts.
- 40. In modern economics, the Malthusian theory of population is ineffective because of
 - (a) birth control measures
 - (b) government policies
 - (c) natural disasters (d) technical progress.
- 41. If a consumer willing to pay N100 per apple but the market price of apple is N70, what is the consumer surplus if four apples are bought?

	(a) l	N400	(b) N120	(c) N280	(d) 1	N680	
42	2. De	emand for	a product wi	th many uses is	s descri	ibed as	
	(a)	joint den	nand				
	(b)	competit	ive demand				
	(c)	independ	lent demand (d) composite d	lemand		
43	. W	hich of th	e following is	s true?			
	(a)	marginal	cost curve is	always above	averag	e total cost curve	
	(b)	average	fixed cost cur	ve is always le	ss than	average variable cost	
	(c)		orginal cost is total cost fall	less than avera	ige vari	able cost, average varia	able cost and
	(d)	marginal maximur	-	average varial	ole cost	when average total cos	st is at
44	. Tł	ne supply	of Ph D holde	ers in the short-	-run is	likely to be	
	(a)	perfectly unitary.	inelastic	(b) elastic		(c) perfectly elastic	(d)
45	pr	oduction o	of capital goo	d rather than co	onsume	with a policy which fa er goods, the government for whom to produce	
(b)	wha	t to produ	ce				
(c)	how	to produc	ce				
(d)	whe	n to produ	ice.				
46	. W	hich of th	e following is	not an assum	ption of	f the cardinal school of	thought?
	(a)	fixed ma	rginal <mark>utilit</mark> y	of money			
	(b)	utility is	measurable				
	(c)	diminish	ing marginal	utility			
	(d)	total util	ity is a function	on of supply.			
47	. A	ctivities ir	the downstre	eam oil sector i	include	••••	
	(a)	marketin	g of refined p	product			
	(b)	explorati	on of crude o	il			
	(c)	sinking o	of oil well in t	he off-shore (d	l) sinkii	ng of oil well in the ons	shore.
48						quantity demanded incr city of demand?	eases from
		0.5	(b) 1	(c) 2		(d) 4.0	

		of the last unit of consumers	•	-		32 and that of
(a)	the price-quantit	y ratios are equal				
(b)	-	f A and B are consuess of A and more o			more of	A are
50. If	Qd = 185-20p an	d Qs = 85 + 30p. Fi	nd equilibr	ium price a	and quant	tity.
p =	= -2, Qd = 145 and	1 Qs = 145				
(a) P =	= 4, Qd = 165 and	Qs = 165				
(b) p =	= 2, Qd = -145 and	1 Qs = 145 (d) p = 2	2, $Qd = 145$	and Qs =	145.	
51. If	the income elasti	city of demand is le	ss than zer	o, then the	good is	
(a)	inferior	(b) normal	(c) perf	fect	(d) in	nperfect.
	the cross elasticited the cross elasticity e	y of two commodit	ies X and Y	is less tha	n zero, tl	hen the
(a)	compliments luxuries.	(b) substitut	es	(c) inferi	or	(d)
53. W	hen there is a cha	inge in the demand	of a comm	odity		
(a)	the demand curv	e shifts to the right	or left			
(b)		ve does not shift to to ad curve (d) none of	_	` '	re is a mo	ovement
	set of two or mon	e indifference curve	e indicating	g different i	utility lev	els can be
(a)	indifference grap (c) indifference		rence spect	rum	(c) indif	ference map
55. T	he elas <mark>ticit</mark> y of su	pply of perishable g	goods is			
(a)	unitary	(b) inelastic	(c) zer	o	(d) elas	tic.
56. T	he demand for fac	tors of production i	s an examp	ole of		
(a)	joint demand demand.	(b) competitive der	nand (c)	derived der	mand	(d) composite
	shift in supply cu ossible price beca	rve indicates that a use	different q	uantity wil	ll be supp	olied at each

(a) consumers are willing to pay higher prices

(c) other factors than price have changed (d) price has changed.

(b) supply is facing competition

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- 58. Normative economics deals with
 - (a) what is and what not should be
 - (b) facts and not figures (c) facts and figures (d) value judgment.
- 59. The short-run period in production is defined as a period when
 - (a) there is at least one fixed factor
 - (b) all costs of production must be covered (c) the output cannot be varied (d) current output is not profitable.
- 60. Which of the following is not a type of elasticity?
 - (a) price elasticity of demand
 - (b) income elasticity of demand
 - (c) cross price elasticity of demand (d) input elasticity of demand.
- 61. The following is NOT a reason for the existence of small firms
 Scale of production is limited by size of the market
- (a) Expansion brings diminishing returns
- (b) Small firms can provide personal services
- (c) All of the above
- 62. Inferior goods are referred to in Economics as goods
 - (a) Whose quality is low
 - (b) Consumed by very poor people
 - (c) Whose consumption falls when consumer's income increases
 - (d) Which satisfy only the basic needs
- 63. Which is NOT a direct effort to increase agricultural production in Nigeria?
 - (a) Operation Feed the Nation
 - (b) Nigerian Youth Service Corps
 - (c) Increased loans to farmers and cooperatives
 - (d) Research in Agric & Extension services
- 64. The foreign exchange market is a market where
 - (a) Graded commodities like wheat, flour e.t.c. are bought and sold
 - (b) Currencies are sold and bought
 - (c) Treasury bills are sold and bought
 - (d) Government bonds are sold and bought
- 65. Which of the following can be regarded as a liability of a commercial bank?

- (a) advances (b) deposits (c) treasury bills (d) overdrafts
- 66. Tax which takes higher percentage from a higher income is called
 - (a) A regressive tax
- (b) a progressive tax
- (c) a proportional tax

- (d) an indirect tax
- 67. Disposable income is the same thing as
 - (a) Personal income minus personal savings
 - (b) Personal income minus taxes
 - (c) National income minus depreciation
 - (d) Exports minus imports
- 68. Marginal cost is
 - (a) Lowest cost of producing goods
 - (b) The cost of production of the most efficient firm in the industry
 - (c) Cost of production of the most inefficient firm in the industry (d) Cost of production at which the minimum profit is obtained by the firm
- 69. Which of the following is NOT a form of business organization?
 - (a) A sole proprietorship
- (b) cartel (c) partnership
- (d) joint stock

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- 70. Which of the following sector of the economy is estimated to be the largest employer of labour in the country?
 - (a) Construction petroleum
- (b) agriculture
- (c) distribution
- (d) mining and

(d) indirect costs

- 71. Economics is called a social science because it is
 - (a) A branch of social studies
 - (b) A study of the ways man devices to satisfy his unlimited wants from unlimited resource
 - (c) dismissal science in Malthusian sense
 - (d) The study of human wants by the means of scientific method of observation
- 72. Less developed countries obtain foreign exchange mainly from the export of
 - (a) Manufactured goods
 - (b) Processed and semi-processed commodities
 - (c) Invisible items
 - (d) Primary product
- 73. Which of the following is a term used to describe a payment representing a surplus in excess of transfer costs?
- (a) Interest rates(b) opportunity costs(c) economic costs74. The advantage of sole proprietorship is as follow
 - +. The advantage of sole proprietorship i
 - (a) It is always successful
 - (b) Continuity is no problem
 - (c) Control and supervision is under one man
 - (d) Funds are easy to obtain
- 75. Which of these would NOT increase the population of a country?
 - (a) Increase in death rate
 - (b) Decrease in birth rate
 - (c) Emigration
 - (d) Migration
- 76. A rational consumer will adjust his spending pattern so that
 - (a) He buys only the item that gives him most total satisfaction
 - (b) The marginal utility he gets from the last unit of item is the same
 - (c) The marginal utility he gets from the last Naira spent on each item is the same
 - (d) The total utility he gets from each item is the same
- 77. Bond holders are treated more favourably than shareholders because

- (a) They are not liable for the company's losses
- (b) They have greater voice in the electing board of the directors
- (c) They control the management
- (d) They have a poor claim on the company's assets
- 78. If two commodities are good substitutes for one another e.g. butter and margarine, an increase in the demand for one will reduce the demand for the other. This type of demand is called
 - (a) Composite demand (b) elastic demand (c) derived demand (d) inelastic demand
- 79. When the price of a commodity is below the equilibrium price, the quantity demanded will exceed the quantity supplied. Such a situation is referred to as
 - (a) Elastic supply (b) joint demand (c) excess supply (d) derived demand
- 80. One of the reason why the condition of supply of a commodity may change is
 - (a) A change in real income
 - (b) Changes in the technique of production

A change of fashion or taste

Change in population

- 81. The Central Bank controls the activities of other banks by all but one of the following
 - (a) The use of bank rate
 - (b) The purchase or sale of government bonds on the open market
 - (c) Special deposit
 - (d) The use of directives
- 82. Which of the following is not a direct tax?
 - (a) Company income tax (b) capital tax (c) purchase tax (d) personal income tax
- 83. Which of the following is not an indirect tax?
 - (a) Excess duty (b) company tax (c) import duty (d) sales tax
- 84. The value of money is generally measured in reference to
 - (a) The interest rate charged on bank loans
 - (b) The general price level
 - (c) The size of country's gold stock
 - (d) The level of economic development in a country
- 85. Which of the following type of capital is NOT rewarded by dividends?
 - (a) Ordinary shares (b) preference shares (c) cumulative shares (d) depentures
- 86. Which of these is not usually the function of the wholesaler?

	` ′	Transport	(b) storage	(c) advertising	(d) branding				
87.	Ne	et national incon	ne is						
	(a) Gross national income minus depreciation								
	(b) Gross domestic product plus net income from abroad								
	(c)	Nominal national income divided by the price level							
	(d)	Gross national income divided by the total population							
88.		hen the average clow it	physical production (b) above it	t curve is rising, the mar (c) falling	ginal physical product is (a) (d) none of the above				
89.	W	hich of the follo	wing assets of co	ommercial banks does n	ot yield re <mark>venu</mark> e?				
	(a)	Money in the ti	ills of the bank						
	(b)	Money at call							
	(c)	Treasury bills							
	(d)	Treasury certifi	icates						
90.	W	hich of the follo	wing financial in	nstitutions cannot direct	tax loans to individuals?				
	(a)	The Agricultur	al Bank						
	(b)	The Industrial	Bank						
	(c)	The central Bar	nk						
	(d)	The Cooperativ	ve Bank						
91.	Th	e price mechani	ism						
	(a) Regulates supply and demand								
	(b) Rewards producers								
	Rat	ions consumers							
	All	ocates scarce res	sources						
92.	A	typical corporat	e form of busine	ss organization is owned	d by				
(a)	Pre	esident of the co	untry	_	·				
(b)	Sh	areholders	•						
(c)	Th	e general manag	ger and the execu	ıtives					
(d)		ocal governmen							
		ation can be cur							
		reasing aggregat	•						

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(d) Reducing aggregate demand

(c) Increasing government expenditures

(b) Paying higher wages

- 94. Production in economics occur when
- (a) Commodity or service is sold
- (b) Utility is created or added
- (c) A commodity is manufactured
- (d) All of these
- 95. International trade arise because
- (a) One country has more abundant resources
- (b) One country has the technology to produce the commodity whilst the other does not
- (c) One country has manpower to produce the commodity than the other country (d) All of the above
 - 96. Nigeria earns the major part of her foreign exchange from the export of
- (a) Manpower to other countries
- (b) Crude oil
- (c) Petroleum products
- (d) Groundnuts and cotton
 - 97. The fundamental problem of economics is
- (a) Money (b) poverty (c) unemployment (d) the scarcity of resources relative to wants
 - 98. Division of labour is limited by the
- (a) Available raw materials
- (b) Size of the labour force
- (c) Size of a labour firm
- (d) Per capital income and number of potential buyers
 - 99. Which of the following is not a determinant of changes in supply?
- (a) Changes in the cost of production
- (b) Technical progress
- (c) Weather
- (d) Changes in the number of buyers
- 100. Money becomes a poor store of value in a period of
 - (a) deflation (b) stable prices (c) recession (d) inflation

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ANSWERS: ECONOMICS

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1. A			38. C			75. A				
2. A			39. D			76. C				
3. B			40.				77. D			
4. A			41. B 79. D			78. D		5. B		42. D
6. D			43.				80. B		7. A	
	44.				81. D					
8. A			45. B			82. C				
9. 46.				83. B		10. B			47. A	
ъ		84. B		11.			48. B		85.	
D			40				06.70			
12.			49.			0.7	86. D			
13.			50. D			87. A			00 5	
14.			C			51. A			88. B	
15.			В			52. B			89. A	
16.			В			53. A			90. C	
17.			D			54. A			91. D	
18.			D			55. B			92. B	
19.			D			56. D		0.4.75	93. D 20. C	
					57. D			94. D		
21.			C			58. D			95. D	
22.			59. A			96. B				
23.			В		(1 D	60. D		00 D	97. D 24. D	
25. 4			(2 C		61. B	00 D		98. D		
25. A			62. C			99. D				
26. C			63. B			100. D			6 .	
27. D	20 D		64. B	66 D		28. C	20 D		65. B 67. B	
	29. D	31 A			68. D				0/. B	69. B
		J1. 11	33. C		00. D	70. B		<i>52.</i> D	34. A	07. D
	71. B			35. B		–	72. D		36. A	
		73.								
37. A			74. C							