Test Booklet No. \_\_\_\_\_ This booklet consists of 100 questions and \_\_ printed pages.

## **RGUCET/2025/54**

Series A

## RGUCET 2025 Common Entrance Test, 2025 BACHELOR OF EDUCATION (SCIENCE STREAM)

Full Marks: 100						Time: 2 Hours	
Roll No.							
Day and							Date of Examination:
Signature of	f Invigi	lator	·(s)			 	 
Signature of	f Candi	date				 	 

General Instructions:

## PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 100 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark. There shall be negative marking of 0.25 against each wrong attempt.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall before completion of Examination.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy

## RGUCET 2025 BEd Science Series A

1	<i>'Nugatory'</i> mea	ns:			Abortive	
	a) Abortive	b) Opaque	c) Doltish	d) Oafish	a	
2	<ul> <li>A. The class teaclass.</li> <li>B. Rambling sp</li> <li>C. Though my becomes a yeaclast of the chief gurestless last of the</li></ul>	est spoke in an obliqu	ations did not convir substance. ch but on the day of ae manner which ma	f meeting he ade the audience	C only	
	a) A only	b) C only	c) A & C	d) B & D	b	
3		llowing is the Frictio		4,5 4 5	/ h /	
	a) / h /	b) / t /	c)/ d /	d)/ r /	a	
	B. Easeful stude C. Due to otiose D. He has a nos	seen such a steady pe ents do not get succes e nature, he has got th e of unearthing talent rect answer from the o	ss in life. he best percentile.		C only	
	a) D only	b) A & C	c) B & D	d) C only	d	
5	Choose the correct sequence for the following jumbled phrases/sentences: "the magistrate informing him that(R)/to be dropped. Civil Disobedience had triumphed, the first time in modern India. (S)/Gandhiji received a written communication from(Q)/the Lieutenant Governor of the province had ordered the case(P)/"					
	a) PSQR	b) SQRP	c) QRPS	d) QRSP	с	
6		llowing is the Lateral	l Consonant?		/1/	
	b) / m /	b) / p /	c)/1/	d)/ f /	c	
7	If INDIA is coo	led as KQHNG, then	NEPAL will be cod	led as:	PHTFR	
	a) PHRFT	b) HTFRP	c) PHTFR	d) PHFTR		

8	A person walks 5 km and walks 5 kms direction he is fac		South		
	a) North	b) South	c) North East	d) West	b
9		, 'Q' denotes as '+', R 20 P 5 S 8 Q 6=?	'R' denotes as '-',	and 'S' denotes	42
10	a) 50 Given below are two is labelled as <b>Rea</b>	b) 54 o statements. One is ason ( <b>R</b> ).	c) 64 labelled as <b>Assertic</b>	d) 42 on (A) and other	b
	Reason (R): The ot	crows have two legs. her two legs of the cr e statements, choose to below:			A is true but R is false.
	a) A and R are true, and R is the correct explanation of A.	b) A and R are true, but R is not the correct explanation of A.	c) A is true, but R is false.	d) <b>A is false,</b> <b>but R is</b> <b>true</b>	с
11	Pointing to a woman grandmother of r girl?	Mother			
	a) Sister	b) Mother	c) Grandmother	d) Aunt	b
12	them. Which of t	hour hands of clock the hour hands of clock the hour hands of clock the hour hour hour hour hour hour hour hour	ne that the clock is s	showing?	4.00
13	a) 2.15       b) 6.30       c) 4.00       d) 10.00         Assertion (A): The Cold War was a direct military conflict between the USA and the USSR.       Reason (R): The Cold War was marked by ideological rivalry, not open warfare.				C A is false, but R is true
	a) Both A and R	b) Both A and R are true, but R	c) A is true, but R is false.	d) A is false, but R is	d)
	are true, and R is the correct explanation of	is not the correct explanation of A.		true.	
14	is the correct explanation of Assertion (A): Asho Justification (J): Ka (a) Both A and J are	is not the correct explanation of A. ka annexed Kalinga linga controlled the l true, R is the correct true, R is not the con- false.	and and sea routes t explanation of A.	ppire: to South India.	Both A and J are true, R is the correct explanation of A

15	15 Assertion (A): The ICC men's Cricket World Cup 2023 was won by India.							
	Reason (R): India de		Both A and R are false					
	a) Both A and R are true, and R is the correct explanation of A	d)						
16	The main goal of M	IOOC is to:			Cater diverse learners			
	a) Conduct student assessments	b) Ensure placements	c) Cater diverse learners	d) Provide secondary education	с			
17	<ul> <li>Which of the following options is correct with respect to practices followed by the teacher in case of misbehavior observed in a student?</li> </ul>							
	a) Punish the student and isolate him from the class for some days.	b) Ask the student about the reason for the misbehavior and confront him in the class.	c) Ignore the misbehavior of the student and take the class normally.	d) Talk to the student calmly about the observed behavior and explain why it is unacceptabl e.	d			
18	Children who come	to school have:			Significant learning experiences to be used for further learning			
	a) A blank mind to be filled in through schooling	b) Significant learning experiences to be used for further learning	c) Experiences that are crude	d) Life experiences that are irrelevant	b			
19	The ideal teacher ne				A friend, philosopher and guide			
	a) Conveyor of the knowledge	b) Helper for students in learning	c) Good disciplinarian	d) A friend, philosopher and guide	d			

20	Matching the fol	lowing pairs:			
		ducation Commission			A-iii, B-i, C-
	C Mid-day Mea	cation Commission	iii 2001 iiii 1952		iv, D-ii
	D Sarva Shiksh		iv 1995		
	D Sulvu Shiksh	u rioniyun	11 1995		
	a) A-ii, B-I, C-i	v, b) A-iii, B-i, C	C- c) A-iii, B-iv, C	- d) A-ii, B-iii,	b
	D-iii	iv, D-ii	i, D-ii	C-iv, D-i	0
21	Which of the fol according to I		sible for the inheritanc	e of specific traits	Factors
	a) Genes	b) Factors	c) Chromosomes	d) DNA	
					b
22	Which of the fol habitat?	lowing sets does re	present the biotic com	ponent of a	
	A. Sand, Turtle,	Crab and Rock			
		Fish and Aquatic pl	ant		B only
	C. Tiger, Deer, C				B only
	<b>D.</b> Insect, Water,				
	Choose the corre				
	a) A only	b) B only	c) A & C	d) C & D	b
23	Given below are is labelled as		ne is labelled as <b>Asser</b>	tion (A) and other	
		Green plants appear he atmosphere durin	to release Oxygen ins ng the day time.	stead of Carbon	A and R are true, and R is the correct
	Reason (R): The during day tir		esis is higher than the	explanation of A.	
	In the light of ab the options gi				
	a) A and R are true, and R is the correct explanation of A.	b) A and R are true, but R is not the correct explanation of A.	c) A is true, but R is false.	d) A is false, but R is true	a
24	Match the follow	ving pairs:		•	
	A. Root	i	Groundnut		
	B. Stem		Apple		A-iv, B-iii, C-
	C. Seed	ii	i Sugarcane		i, D-ii
	D. Fruit	iv	v Carrot		

	a) A-iv, B-iii,	b) A-i, B-iv, C-iii,	c) A-iii, B-ii, C-	d) A-ii, B-i, C-iv,	
	C-i, D-ii	D-ii	iv, D-i	D-iii	a
25	Which of the fol	lowing is the botanic	cal name of <i>garlic</i> ?		Allium sativum
	a) Allium cepa	b) Solanum tuberosum	c) Cucumis sativus	d) Allium sativum	d
26	<ul><li>A. Plasma men</li><li>B. Mitochondri</li><li>C. Ribosome</li><li>D. Golgi compl</li></ul>	a		-	C only
27		and undergrowth pla g bacteria and fungi	•	mals and rooted in	Biological community
	a) Species	b) Biological community	c) Hybrids	d) Biomass	b
28	Which of the fol dirt?	Pedosphere			
	a) Atmosphere	b) Hydrosphere	c) Pedosphere	d) Biosphere	с
29	In plants and tree pull phenome	Transpiration			
	a) Absorption	b)Photosynthesis	c)Transpiration	d)Respiration	с
30	Which of follow flowers?	ing does not represe	nt a single flower bu	t a group of	Sunflower
	a) Sunflower	b) Tulip flower	c) Rose flower	d) Lotus flower	a
31	<ul><li>Which of the fol classifications</li><li>A. Gymnosperm</li><li>B. Angiosperms</li><li>C. Pteridophytes</li><li>D. Algae reproduce</li><li>Choose the correct</li></ul>	B & D			
	a) C only	b) B & D	c) A & C	d) A only	b
32	Match the follow A Ginger B Yeast C Ferns D Spirogyra	ving pairs: i F ii ii iii	Budding Spore formation Fragmentation Vegetative propagat		A-iv, B-i, C- ii, D-iii

	$\rightarrow$ $A$ $+$ $D$ $+$ $G$								
	a) A-1v, B-1, C- iii, D-ii	b) A-iv, B-i, C-ii, D-iii	c) A-iv, B-iii, C- ii, D-i	d) A-ii, B-iv, C-i, D-iii	b				
33		lowing does represe	ent a group of autotro	phs?					
		ta, Banana and Mar		L					
	-	shroom, Tomato and	-		A 1				
		Cuscuta and Mushr			Algae,				
	-	ch, Tomato and Ban			Spinach,				
		,			Tomato and				
	Choose the corre	ect answer from the	options given below:		Banana				
	a) D only	b) B & D	c) A & C	d) C only	a				
34	The general che	mical formula for ru	ist is:		БО				
					Fe <sub>2</sub> O <sub>3</sub>				
	a) FeO	b) Fe <sub>2</sub> O <sub>3</sub>	c) FeO <sub>3</sub> H <sub>3</sub> O	d) FeOOH					
	,	, ,	,	,	b				
35	Given below are	two statements Or	ne is labelled as Asser	tion (A) and other					
55	is labelled as		ie is fabelled as Assel						
	15 10001100 dS	1.000011 (1 <b>1</b> ).			Both A and R				
	Assertion (A).	Assertion (A): Vitamin C is not stored in our body.							
		are true, and							
	Reason (R): Vit	ssolves in water	R is the						
		correct							
		and is readily excreted through urine when it is not needed by the body. In the light of above statements, choose the most appropriate answer from							
	In the light of a								
	the options gi								
	a) Both A and	b) Both A and R	c) A is true, but	d) A is false, but					
	R are true,	are true, but	R is false.	R is true.					
	and R is	R is not the							
	the correct	correct			а				
	explanation	explanation of							
	of A.	A.							
36	Match the follow								
	A. Iodi	ne	i. Water purification	on	A .:. D				
	B. Mer		ii. On wounds		A-ii, B-iii, C-iv, D-i				
	C. Alu	~	iii. Thermometers		C-1V, D-1				
	D. Chlo		iv. Food packing						
		-		1					
	a) A-iii, B-iv,	b) A-iii, B-i, C-ii,	c) A-ii, B-iii, C-	d) A-iv, B-iii, C-					
	C-i, D-ii	D-iv	iv, D-i	i, D-ii	c				
37	Which of the fol	lowing metals was	used by Rutherford in	his alpha					
	scattering exp	periment?			Gold				
	a) Gold	b) Platinum	c) Silver	d) Lead	a				
38		lowing is a homoge	neous mixture?	•	Sugar colution				
					Sugar solution				
	a) Mixture of	b) Sugar solution	c) Mixture of	d) Chicken soup					
	a) Mixture of soil and	b) Sugar solution	c) Mixture of sugar, salt and	d) Chicken soup	b				
	· ·	b) Sugar solution	,	d) Chicken soup	b				

39	Match the follow					
	A. Smoke B. Gel C. Emulsion D. Foam		ii. Dispo iii. Disp	ersion of gas in liqu ersion of solid in ga persion of liquid in 1	s iquid	A-ii, B-iv, C-iii, D-i
	D. Foam		IV. DIS	persion of liquid in	solid	
	a) A-ii, B-iv, C-iii, D-i	b) A-iii, B- D-i		iii, D-i	d) A-iii, B-iv, C- ii, D-i	a
40	Zn+2NaOH —	$\rightarrow$ X+H <sub>2</sub> ,	In this re	eaction, the product	X is:	Na <sub>2</sub> ZnO <sub>2</sub>
	a) Na <sub>2</sub> ZnO <sub>2</sub>	b) 2NaZnC	<b>)</b> <sub>2</sub>	c) 2NaZn(OH) <sub>2</sub>	d) Na <sub>2</sub> Zn <sub>3</sub> O <sub>3</sub>	a
41	<ul><li>A. Gas is liberate</li><li>B. Precipitation</li><li>C. Heat is libera</li><li>D. Heat is absorb</li></ul>	ed. happens. ted. bed.		of exothermic reaction potions given below:		C only
	a) C only	b) A & B		c) C & D	d) A only	a
42	The process of converting sugar into alcohol is known as:				Fermentation	
	a) Sterilization	b) Homoge n	enizatio	c) Fermentation	d) Pasteurization	с
43	Which of the fol A. H, Li, Na, K B. Be, Mg, Ca, S C. F, Cl, Br, I D. He, Ne, Ar, A	Sr	ps of ele	ments in the periodi	c table is incorrect?	D only
	a) D only	b) A & C		c) A & B	d) C only	a
44	Match the follow A. Sodium met B. Phosphorus C. Sodium hyd D. Mercury	al	ii. s iii.	in a steel container in a plastic bottle under water in kerosene		A-iv, B-iii, C-ii, D-i
	a) A-i, B-iv,	b) A-iv, B C-ii, D-i	-iii,	c) A-iv, B-iii, C-i, D-ii	d) A-iv, B-i,	b
45	C-iii, D-ii When CNG or L		es comp	lete combustion, the	C-iii, D-ii products are:	CO <sub>2</sub> and H <sub>2</sub> O
	a) Co <sub>2</sub> , SO <sub>2</sub> and H <sub>2</sub> O	b) CO <sub>2</sub> onl	у	c) CO <sub>2</sub> , CO and H <sub>2</sub> O	d) CO <sub>2</sub> and H <sub>2</sub> O	d

46	Sodium is kept i					
	C. The reaction of D. Kerosene, be	kerosene cuts off su of sodium with air is ing as inert hydrocar		react with sodium.	A, B, C & D	
	a) A & B only	b) A, B & C only	c) A, B, C & D	d) B only	с	
47	<ul><li>Which of the fol system?</li><li>A. Managing has</li><li>B. Compiling pr</li><li>C. Designing gra</li><li>D. Storing data</li><li>Choose the correct</li></ul>	A only				
	a) D only	b) B & C	c) A only	d) C & D	с	
48	A .docx B .pdf C .xlsx D .pptx	i. ii. iii iv.	Microsoft Word Microsoft Excel Microsoft PowerPo	int	A-ii, B-i, C-iii, D-iv	
	a) A-ii, B-i, C- iii, D-iv	b) A-i, B-ii, C-iii, D-iv	c) A-ii, B-iii, C-i, D-iv	d) A-iv, B-i, C- iii, D-ii	a	
49						
	a) A and R are true, and R is the correct explanation of A.	b) A and R are true, but R is not the correct explanation of A.	c) A is true, but R is false.	d) A is false, but R is true	a	

50	Match the follow	wing networ	k devices	with their fu	inctions:		
	A. Router	i.	Connec	ts devices wi «.	thin a		
	B. Switch	ii	. Connec				
	C. Hub		i.Broadc	ted	A-ii, B-i,		
			devices				C-iii, D-iv
	D. Modem	iv	Conver . analog.	ts digital sign	als to		
	a) A-i, B-ii, C-iv, D-iii	b) A-ii, B- C-iii, D-iv		c) A-iii, B-i D-ii	iv, C-i,	d) A-iv, B-iii, C- ii, D-i	b
51	If a file size is 2	MB, then th	ne numbe	r of bytes in	the file a	re:	2,097,152 bytes
	a) 2,000 bytes	b) 2,000,0 bytes	00	c) 2,097,15 bytes	2	d) 2,048 bytes	с
52	Which of the fo A. Avast B. Norton		e the ant		re progra	m(s)?	
	C. Pixton D. Coursera						A & B
	Choose the corr	ect answer f	rom the c	options given	below:		
	a) A & C	b) B & D		c) A & B		d) D only	с
53	Which of the fo internet?	llowing prot	ocols is ı	ised for secur	re comm	unication over the	HTTPS
	a) HTTP	b) FTP		c) HTTPS		d) SMTP	с
54	Match the follow					,	
	A. RAM B. ROM		ent storag ary storag				
	C. CPU	iii.Executes	•	-	-		A-ii, B-iv, C-iii, D-i
	D. HDD	iv. Read-on	ly memo	ry	-		
	a)A-ii, B-iv, C- iii, D-i	b) A-i, B-i D-iii	i, C-iv,	c)A-iii, B-i D-iv	, C-ii,	d)A-iv, B-iii, C-i, D-ii	a
55	Cloud storage is						Storing data on remote
	a) Storing data	b) Storing		c) Increasi		d) Creating files	servers via the internet.

			computer		
			processing		
			speed.		
56	Wi-Fi stands for	:	speed.	1	Wireless Fidelity
	a) Wireless Fidelity	b)Wide Frequency	c) Web Function	d) Wireless Function	a
57	URL stands for:			1	Uniform Resource Locator
	a) Universal Resource Locator	b) Uniform Resource Locator	c) Unique Reference Locator	d) Uniform Reference Locator	b
58	A. Phishing B. Bullying C. Catching D. Backdoor	lowing is/are exampl			A, B & D
59	a) B & D Given below are is labelled as	b) A, B & C two statements. One <b>Reason (R).</b>	c) A, B & D c) abelled as Asser	d) A only tion (A) and other	с
	<b>Reason (R):</b> Ma steal data.	Malware can harm a d Ilware includes virus ove statements, choo iven below:	es, worms, and spyw	-	A and R are true, and R is the correct explanation of A.
	a) A and R are true, and R is the correct	b) A and R are true, but R is not the correct explanation of	c) A is true, but R is false.	d) A is false, but R is true	a
	explanation	A.			
60		Α.			Hepatology
60	explanation of A.	Α.	c) Osteology	d) Hepatology	Hepatology
60	explanation of A. Study of <i>liver</i> is	A. known as: b) Rhinology	c) Osteology	d) Hepatology	

62	Which of the fol						
	B. Both inhaled C. Inhaled air do	<ul><li>A. Exhaled air does not contain carbon dioxide.</li><li>B. Both inhaled air and exhaled air contain oxygen.</li><li>C. Inhaled air does not contain carbon dioxide.</li><li>D. Exhaled does not contain oxygen.</li></ul>					
	Choose the corre						
	a) C only	d					
63	Which of the fol	lowing cell organ	nelle	es has its own genetio	c material?	Mitochondria	
	a) Peroxisomes	b) Vacuole		c) Mitochondria	d) Lysosomes	с	
64	Match the follow	ving pairs:					
	A. Fungi			Nostoc		A-ii, B-iii,	
	B. Animalia			Yeast		C-iv, D-i	
	C. Protista		iii	Sponges		011, 21	
	D. Monera		1V	Diniflagelletes			
		1					
	a) A-i, B-iv, C-iii, D-ii	b) A-iii, B-ii, C D-i	-1V,	c) A-iv B-iii, C-ii, D-i	d) A-ii, B-iii, C- iv, D-i	d	
65			fro	g by the process of:	IV, D-1	Metamorphos	
05	•	•				is	
	a)Fertilization	b) Metamorpho			d) Budding	b	
66	Pyramids of Energy is always upright, because the flow of energy is:					Unidirectional	
	a)	b) Bidirectional	1	c)	d) Random		
	Unidirectional	·		Multidirection al		а	
67		lowing hormone angry, embarrass		our body does help us or worried?	s to adjust stress	Adrenaline	
	a) Adrenaline	b) Insulin		c) Estrogen	d) Thyroxin	a	
68	Which of the fol	lowing functions	of	Saliva is true?			
	<ul> <li>A. Saliva helps us in taste food.</li> <li>B. Saliva converts starch into sugars.</li> <li>C. Saliva helps in lubrication and moistening of mouth.</li> <li>D. Saliva helps in protection and maintenance of teeth.</li> <li>Choose the correct answer from the options given below:</li> </ul>					A, B, C & D	
	a) B only	b) A, B & C or	nly	c) A, B, C & D	d) B & C only	с	
69	is labelled as Assertion (A): N organelle.	<b>Reason (R).</b> Mitochondria are	con	e is labelled as Asser asidered semi-autono	mous cell	A and R are true, and R is the correct explanation of A.	

	In the light of ab	ove statements, cho	oose the most appropr	iate answer from	
	the options gi		····		
	a) A and R are	b) A and R are	c) A is true, but R	d) A is false, but	
	true, and R	true, but R is	is false.	R is true	
	is the	not the correct			
	correct	explanation of			а
	explanation	A.			
	of A.				
0	Match the follow	ving organelles with	their corresponding	functions:	
	A. Cilia	i	Mating process		
	B. Centriole		Intracellular digestic	on	A-iii, B-iv, C-i, D-ii
	C. Pili		i Motility		C-1, D-11
	D. Lysosomes	iv	Spindle fiber format	ion	
	a)A-ii, B-iv,	b) A-i, B-iv,	c) A-iv B-ii, C-i,	d) A-iii, B-iv, C-	d
1	C-iii, D-i	C-iii, D-ii	D-iii	i, D-ii	
1	The joint betwee	en head and upper ja	aw is an example of:		Fixed joint
	a) Hinged joint	b) Ball and socket joint	c) Pelvic joint	d) Fixed joint	d
2	Which of the fol circulatory sy	ıs in human			
	<ul><li>A. All veins car</li><li>B. Veins have th</li><li>C. Veins carry b</li><li>D. Veins carry c</li></ul>		D only		
	Choose the corre				
	a) A & B	b) C only	c) A & C	d) D only	d
3	Sex chromosom		XY		
	a) XX	b) XY	c) XO	d) XZ	b
4	Who was the first to introduce the concept of antiparticle theoretically?				
	a) Niels Bohr	b) Ernest Rutherford	c) Albert Einstein	d) Paul Dirac	d
5	Which of the fol laws?	g conservation			
	E. A conservation experiments.	ons and	B only		

	H. Conservation considered to				
	Choose the corre				
	b) A & C	b) A only	c) B only	d) B & D	с
76	Which of the fol dimensions?	Relative Density			
	a) Relative Velocity	b) Relative Density	c) Angle	d) Energy	b
77	Given below are is labelled as A: Force can be R:Force and Pre In the light of ab the options gi	A and R are false.			
	a) A and R are true, and R is the correct explanation of A.	b)A and R are true, but R is not the correct explanation of A.	c) A is true, but R is false.	d) A and R are false.	d
78	<ul> <li>Given below are is labelled as</li> <li>A: The accelerat of velocity or</li> <li>R: Acceleration velocity.</li> <li>In the light of ab the options given below and the option of the option o</li></ul>	A is true but R is false.			
	a) A and R are true, and R is the correct explanation of A.	b) A and R are true, but R is not the correct explanation of A.	c) A is true but R is false.	d) A and R are false.	с
79	A man weighing head. The stai climb, find hi	313.6 W			
	c) 313.6 W	b) 123.6 W	c) 510 W	d) 10 W	a

80	A stretched rubber has:					Increased potential energy
	b) Increased kinetic energy	b) Increased potential energy		c) Decreased kinetic energy	d) Decreased potential energy	b
81	Which of the fol E. Viscosity is a F. Surface tensic G. Reynolds nur H. Angle of cont Choose the corre	C only				
	c) A only	b) A & C		c) B & D	d) C only	d
82	The coefficient of	of performance	of ref	rigerator, whose effi		3
	a) 1	b) 3		c) 5	d) 7	b
	<ul> <li>A. Change in frequency durelative motion source and 1</li> <li>B. Intensity of with time</li> <li>C. Sound Way</li> <li>D. Light wave</li> </ul>	to the ion between istener f sound varies yes in air	iii D	ansverse oppler's Effect ongitudinal		A-iii B-i C-iv D-ii
	a) A-iv, B-ii, C-iii, D-i	b) A-ii, B-iii, C-iv, D-i		c) A-iii, B-i, C-iv, D-ii	d) A-i, B-iii, C- iv, D-ii	c
84	The Halley's comet appears after every:					76 years
	a) 72 years	b) 74 years		c) 76 years	d) 78 years	с
85	1 volt is equivale	1		T	1	joule/coulomb
	a) newton/second	b) newton/cou b	ılom	c) joule/coulomb	d) joule/second	c
86	Given below are is labelled as A: Current can b R: Current is a v	A is true, but R is false.				
	In the light of ab the options gi					
	a) A and R are true, and R	b) A and R are true, but R		c) A is true, but R is false.	d) A and R are false.	c

	is the	not the correct				
	correct	explanation of				
	explanation	A.				
	of A.	11.				
87	Which of the fol	Trapezium				
	a) Trapezium	b) Triangle	c) (	Quadrilateral	d) None of the above	а
88	Which of the fol	2 Only				
89	<ul> <li>a) Graph-1 only</li> <li>If the sum of th number?</li> </ul>	b) Graph-2 only <b>ree consecutive nun</b>		Graph-2 & Graph-3 only <b>is 81, then find</b>	d) None of them the middle	b
	number:					27
	a) 27	b) 28	c) 2	29	d) -27	a
90	Match the follow A. Number of f numbers B. Odd number C. Even number D. Real Number	factors of prime		i. 9 ii. 2 iii. $\sqrt{5}$ iy. Which is di	vided by itself	A - iv, B-i, C - ii, D-iii
	a) A -iv, B-i, C- ii, D-iii	b) A -ii, B-i C-iv, D-iii		A-iii, B-ii, C- i , D-iv	d)A-iv, B-i, C -ii, D-iii	a
91	Z = 7x + y, subject the minimum vertex of	(0,5)				
	a) (3, 0)	b) ( 7,0)		0,5)	d) None of the above	с
92	Region represented by $x \ge 0$ , $y \ge 0$ is:					First quadrant
	a) first quadrant	b) Second quadrant	c) ]	Third quadrant	d) Fourth quadrant	a

93	If $6\sin^{-1}(x^2 - 6x)$	2			
	a) 1	b) 2	c) 3	d) 20	b
94	Match the follow	-			
	A. Perimeter				
	B. Area of Tri		ii. Sum of their si		A-ii, B-i, C -iv, D- iii
	C. Circumfere		iii. Base x Height iv. $2\pi r$		C -IV, D- III
	D. Area of Par				
	a) A-i, B-iv, C- iii, D-ii	b) A-i, B-ii, C-iii, D- iv	c) A-ii, B-i, C -iv, D- iii	d) A-iii, B- i C ii, D -iv	- c
95	The value of sin	0.96			
	a) 0.75	b) 0.5	c) 0.96	d) sin 1.5	с
96	The area of a tria The value of		ces (-3, 0), (3, 0) and	(0, k) is 9 sq. units.	3
	a) 9	b) 3	c) -9	d) 6	b
	A. Cost Price B. Selling Price C. Profit D. Loss	A-ii, B-i, C-iii, D-iv			
	a) A-ii, B-i, C-iii, D-iv	b) A-i, B-ii, C- d-iv	iii, c) A-i, B-ii, C-i D-iii	iv, d) A-ii, B-i, C- D-iii	<sup>1</sup> V, a
98	The differential	0			
	a) 0	b) 1	c) 3	d) 5	a
99	Assertion (A): 7 Reason (R): product of an In the light of th from the option	the A is true, but R is false.			
	a) Both A and	b) Both A and	· · · ·		ut
	R are true, and R is the correct explanation of A.	are true, but is not the correct explanation		R is true	с

10 0	Which of the fol	Isosceles triangle			
	a) Square	b) Isosceles triangle	c) Equilateral triangle	d) Rectangle	b