

### **LEAD TALENT SEARCH EXAM - LTSE 2019**

### A Project by LEAD Trust, Bangalore.

#### ENTRANCE TEST FOR 10<sup>TH</sup> STANDARD STUDENTS FOR 2 YEAR RESIDENTIAL PU COACHING AT PARTNER INSTITUTIONS FOR COMPETITIVE ENGINEERING / MEDICAL ENTRANCE TESTS

Selected students qualify for freeships/scholarships for admission into Partner Colleges in Karnataka, Kerala and Telangana. The students will be provided extensive coaching for IIT-JEE 2021 / Karnataka CET 2021 / Kerala KEAM 2021 / NEET-UG entrance exams.

NAME OF THE STUDENT	:				
NAME OF THE TEST CENTER	·				
REGISTRATION NUMBER (7-digit code number in OMR)					
TELEPHONE NUMBER (as mentioned in the application form):					
EMAIL ID (as mentioned in the application form) :					

#### **INSTRUCTIONS TO THE CANDIDATE:**

- 1. This question paper consists of 5 sections out of which only 4 need to be attempted. Sections I, II and III are compulsory. From Sections IV and V, Students opting for Engineering need to attempt Section IV (Maths) and Students opting for Medical need to attempt Section V (Biology).
  - Section I Physics 20 questions
  - Section II Chemistry 20 questions
  - Section III Logical Reasoning 20 questions
  - Section IV Mathematics 20 questions
  - Section V Biology 20 questions
- 2. Each question contains four alternatives out of which only ONE is correct.
- 3. Indicate your answers ONLY on the OMR sheet. If you are not attempting Section IV, then leave questions 61 to 80 as blank in OMR sheet. If you are not attempting Section V, then leave questions 81 to 100 as blank in OMR sheet.
- 4. **NEGATIVE MARKING:** Each correct answer will be awarded one mark. **And each incorrect answer will reduce** <sup>1</sup>/<sub>4</sub> **marks**. More than one answer marked against a question will be deemed as an incorrect response and will be negatively marked.

5. Use of Calculators, Smartphones and Electronic devices is NOT allowed.

IMPORTANT							
THE ANSWERS IN OMR SHEET							
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# **Section I: Physics**

1.	The measure of motion (a) Speed	n of a body is (b) velocity	(c) momentum	(d) Inertia	
2.			gh. The velocity with wh acceleration due to grav (c) (20 m/s, 2 s)	ich it strikes the ground is 'v' and ity = 10 m/s <sup>2</sup> ) (d) (10 m/s, 3 s)	
3.	the pistol is			kg. The recoil kinetic energy of	
	(a) 1.5 J	(b) 2.25 J	(c) 3 J	(d) 0.45 J	
4.		le. After the collision the	-	ich other with speeds 2.5ms <sup>-1</sup> e velocity of combined system	
	(a) 2.5 ms <sup>-1</sup>	(b) 5.0 ms <sup>-1</sup>	(c) 2.0 ms <sup>-1</sup>	(d) 0.0 ms <sup>-1</sup>	
5.	Distance between the (a) 400% increase	two masses is reduced t (b) 300% incre	-	heir mutual gravitational force is ease (d) 300% decrease	
6.	A lens has a power of -	2.5D. The focal length a	nd type of lens is		
	(a) -0.4m, concave		(b) +0.4m, convex		
	(c) -2.5m, concave		(d) 2.5m, convex		
7.	Concave lens has focal length of 15cm. The image is formed at 10 cm from the lens. The object distance is				
	(a) 30cm from the ima	ge	(b) 30 cm from the len	s	
	(c) 15 cm from the lens	5	(d) 15 cm from the ima	age	
8.	Two lamps rated 100W at 220V and 60W at 220V each are connected in parallel across a 220V power supply. The current drawn from the supply is				
	(a) 2/11 A	(b) 8/11 A	(c) 11/8 A	(d) 11/2 A	
9.	A wire of resistance R is cut into 5 parts and the parts are connected in parallel to each other. The effective resistance of the resultant combination is				
	(a) 5R	(b) R/5	(c) 25R	(d) R/25	
10.	At the time of short cir	cuit, the current in the c	ircuit		
	(a) reduces substantial		(b) does not change		
	.,				



(c) increase heavily

(d) varies continuously

- A circular coil of copper wire is rotated in a uniform magnetic field. The direction of induced current 11. changes once in each (a) quarter revolution of coil (b) half revolution of coil
  - (c) 1 revolution of coil

- (d) 2 revolutions of coil
- 12. A particle moving along circular path reaches a diametrically opposite point. The ratio of its average speed to the magnitude of average velocity is (a) 1:1 (b) 2: π (c) π : 2 (d) insufficient data provided
- 13. A loop whose plane lies in xy plane (as shown in figure) is rotated by a small angle in clockwise sense as seen from positive y axis. If a uniform magnetic field exist in the direction towards negative z axis then the direction of induced current in the loop as viewed from positive z axis is



- 14. If two pieces of different metals completely immersed in water experiences equal up thrust, then (a) both pieces have equal weights in air (b) both pieces have equal density (c) both pieces have equal volumes (d) both are immersed at the same depth
- 15. Two blocks of unequal masses  $m_1=4$ kg and  $m_2=8$ kg are moving with velocities  $v_1=10$ m/s and  $v_2=5$ m/s respectively. The net forces on  $m_1$  and  $m_2$  required to keep them moving with their velocities are  $F_1$  and F<sub>2</sub> respectively. Then (a) F1 > F2 (b) F2 > F1(c)  $F1 = F2 \neq 0$ (d) F1 = F2 = 0
- 16. A person is stuck on a frictionless surface and cannot exert any horizontal force against the surface. He should get off by (a) running (b) rolling (c) jumping (d) spitting or coughing
- 17. An electron is placed in between two fixed charges of magnitude  $Q_1$  and  $Q_2$  are as shown. The net force on the electron is zero. Then

-4m -

3m -

е

- (a)  $Q_1 = Q_2$
- (b)  $3Q_1 = 4Q_2$
- (c)  $16Q_1 = 9Q_2$
- (d)  $9Q_1 = 16Q_2$
- 18. A sound wave is
  - (a) Non mechanical and longitudinal wave
  - (c) Mechanical and longitudinal wave

- (b) mechanical and transverse wave
- (d) Non mechanical and transverse wave



- 19.The temperature at which Celsius and Fahrenheit scale have equal values is<br/>(a) 60 °C(c) 40 °C(d) -40 °C
- 20. A person travels from A to B. if she first travels at an average speed of 12kmph for 10km, then at 8kmph for another 1.25hrs. The average speed of the entire trip is
  (a) 3.2 kmph
  (b) 4.4 kmph
  (c) 9.6 kmph
  (d) 19.2 kmph



# **Section II: Chemistry**

21.	Sodium can combine with (a) sodium gets reduced (c) chlorine gets oxidised	chlorine to form sodium chloride (b) sodium gets ov (d) chlorine functi				
	(c) chiornie gets oxidised	(d) chlonne functi	ons as a reducing agent			
22.	When an iron nail is placed in a solution of copper sulphate, copper gets deposited on the nail. Th reaction is an example of					
	(a) chemical combination	(b) chemical deco	mposition			
	(c) chemical displacement	(d) double decom	position			
23.	Which of the following is a	n amphoteric oxide?				
	(a) SO <sub>2</sub> (b) CaO	(c) ZnO	(d) NO			
24.	If the formula of a compou	nd is NaZ, which of the following	g is correct?			
	(a) MgZ <sub>2</sub> (b) Mg <sub>2</sub> Z	(c) MgZ	(d) KZ <sub>2</sub>			
25.	chloride is obtained. This re	eaction involves	odium chloride, a white precipitate of silver			
	(a) oxidation	(b) reduction				
	(c) both oxidation and red	uction (d) neither oxidati	on nor reduction			
26.	Urea has the molecular for	mula NH2CONH2 (N=14, C=12, O	=16 and H=1). 240g of urea will be			
	(a) 40 moles (b) 4 mole	s (c) 60 moles	(d) 240 moles			
27.	The molar mass of a divale chloride will be	nt metal oxide is 40. (O=16 and (	Cl=35.5). The molar mass of its			
	(a) 40 (b) 59.5	(c) 95	(d) 35.5			
28.	1.1g of CO₂ will contain ap	proximately				
_0.	(a) $6 \times 10^{23}$ molecules	(b) 1.5 × 10 <sup>23</sup> mole	cules			
	(c) $1.5 \times 10^{22}$ molecules	(d) 6 × 10 <sup>22</sup> molecu	ıles			
20	A hydroearban which is us	ad for outting and wolding motal	e ie			
29.	(a) ethane (b) ethyne	ed for cutting and welding metal (c) ethene	(d) methane			
30.		ent bonds present in each molec				
	(a) 5 (b) 6	(c) 7	(d) 4			
31.	Saponification is used for t	he manufacture of				
	(a) glass (b)	textiles (c) soap	(d) plastic			
32.	An ore of iron is					
<u>.</u>	(a) haematite (b) bauxite	e (c) cinnabar	(d) galena			



33.	The long form ( (a) 8, 12	of the periodic table con (b) 7, 18	tainsperiods and (c) 7, 8	groups (d) 4, 7
34.	The number of	valence electrons prese	nt in each atom of oxyge	en is
	(a) 16	(b) 8	(c) 6	(d) 32
35.	The reaction be	etween a carboxylic acid	and an alcohol is called	
	(a) esterification	on	(b) neutralisation	
	(c) saponificati	ion	(d) redox reaction	
36.	If a small quant	tity of an acid is added to	o water the pH will	
	(a) increase		(b) decrease	
	(c) remain con	stant	(d) be unpredictable	
37.	Baking soda is			
	(a) Na <sub>2</sub> CO <sub>3</sub> .10H	20	(b) Na <sub>2</sub> CO <sub>3</sub>	
	(c) NaHCO₃		(d) NaOH	
38.	Which of the fo	bllowing will undergo sul	ostitution with chlorine?	
	(a) methane		(b) ethene	
	(c) ethyne		(d) propene	
39.	If the pressure	of a given mass of a gas	is increased at a given te	emperature, the volume of the gas will
	(a) also increas		(b) decrease	
	(c) remain sam	ie	(d) none of these	
40.	The element ha	aving atomic number 24	belongs toblo	ock of the Periodic Table.
	(a) s	(b) p	(c) d	(d) f



## **Section III: Logical Reasoning**

41. Observe the series and fill the blank with correct number:

664, 332, 340,	170,, 89.		
(a) 85	(b) 97	(c) 109	(d) 178

- 42. The sum of the ages of five children born at intervals of five years each is 100 years. What is the age of the middle child?
  - (a) 15 (b) 20 (c) 25 (d) 26
- 43. Which number replaces question mark?



44. Find next number in the series.

806, 519, 2	87, 232, 55,		
(a) 27	(b) 25	(c) 177	(d) 175

45. Anil has a brother Deepak. Anil is the son of Prem. Vimal is Prem's father. How is Deepak related to Vimal?

(a) Brother	(b) Nephew	(c) Father	(d) Grand son
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46. In a football match Prem scored more than Hisham but less than Tom. Robin scored less than Roshan but more than Tom. Whose score was the lowest in the match?

(a) Hisham (b) Robin (c) Prem (d) Tom

47. Ram is taller than Shubham but not as tall as Deepak. Shubham is taller than Prem. Deepak is not as tall as Rohan who among them is the tallest?

(a) Ram (b) Rohan (c) Deepak (d) Prem

48. A boy started from his home. After walking 5 km towards east, he turned to his right and walked for 8km. Then he again turned to his right and walked for 10 km. In which direction is he from his house?

(a) West (b) South-West (c) North (d) North-West

49. A 3-digit number 4a3 is added to another 3-digit number 984 to give a 4-digit number 13b7, which is divisible by 11. Find a and b?



	(a) a=3, b=7	(b) a=5, b=5	(c) a=2, b=8	(d) a=1, b=9
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50. If 6xy5 is a four digit number divisible by 55 then (x-y) is equal to:

- (a) -1 (b) 0 (c) 1 (d) 2
- 51. A person runs 2 km every day except on Sundays on which he runs 1 km. How many kilometre he would run by 5<sup>th</sup> August (including), if he started on 28th May which was a Monday?

(a) 131 (b) 141 (c) 140 (d) 130

52. The acute angle between the minute hand and the hour hand of a clock, when the time is 4.20 AM, is:

(a)  $0^{\circ}$  (b)  $5^{\circ}$  (c)  $10^{\circ}$  (d)  $20^{\circ}$ 

53. Which number replaces the question mark?

4, 7, 15, 31, ?, 19, 11, 6 (a) 35 (b) 36 (c) 40 (d) 41

54. Analyze following diagrams and find out the diagram which accurately represents the given statement.STATEMENT: No room is trains, No boats are buses and all trains are buses



**DIRECTIONS FOR QUESTIONS 55 and 56:** The capital letters in each of the following words are coded and written in small letters on the right side of each word, but the small letters do not appear in the same order as the letters in the word. Find out the codes for letters and answer the following questions:

KING : bdme

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	RING	:	deob			
	INK	:	emb			
	IRK	:	oem			
55.	Which	is the co	ode for letter K?			
	(a) e		(b) m	(c) d	(d) b	
56.	What w	would be	e the code (in co	rrect order) for t	he word:	KIN?
	(a) em	b	(b) mbe	(c) ome		(d) meb

**DIRECTIONS FOR QUESTIONS 57-60:** Study the following information carefully and answer the questions given below it. Shyam, Raheem, Isaac, Hamza and Rohan help themselves to take some sweets from bowl. Four of them each take a gulab jamun. Raheem and Hamza do not take a burfi as all the other do. Infact Raheem takes only one sweet, which is a laddu. Apart from Raheem, only Shyam and Rohan do not take peda.

57.	Who are the two people taking the same number and same type of sweets?				
	(a) Shyam and	Isaac	(b) Hamza and Rohan	(c) Rohan and Isaac	(d) Shyam and Rohan
58.	Who took thre	ee sweet	s?		
	(a) Isaac		(b) Raheem	(c) Rohan	(d) Shyam
59.	Who only had peda and gulab Jamun?				
	(a) Shyam		(b) Raheem	(c) Rohan	(d) Hamza
60.	In total how m	any piec	es of sweets were taker	by the group?	
	(a) 12	(b) 11	(c) 10	(d) 9	



## **Section IV: Mathematics**

61. Following is the graph of y = p(x), where p(x) is a polynomial. The number of zeroes of p(x) is



- 62. ABCD is a cyclic quadrilateral. Find the angle A of the cyclic quadrilateral
- 63. The coordinates of the vertices *A* and *B* of the  $\triangle ABC$  are (2, 3), (-2, 1) respectively. The coordinates of the centroid is  $(1, \frac{2}{3})$ . The coordinates of the vertex *C* are
  - (a) (0, 2) (b) (1, -2) (c) (2, -3) (d) (3, -2)
- 64. The value of  $\cos x^\circ \sin x^\circ$  ( $0 \le x < 45$ ) is
  - (a) 0 (b) positive
  - (c) negative (d) sometimes positive sometimes negative
- 65. Which of the following is a false statement?
  - (a) Every positive odd integer is of the form 2q + 1, where q is some non-negative integer
  - (b) Every positive odd integer is of the form 4q + 1 or 4q + 3, where q is some integer

(c) Every positive odd integer is of the form 6q + 1 or 6q + 3 or 6q + 5, where q is some non-negative integer

- (d)-5 and -9 are coprime integers
- 66. In a deck of 52 cards, there are 4 suits (heart, diamond, spade, and club) of 13 cards each. Each suit has cards called ace, king, queen and jack, remaining 9 cards are numbered from 2 to 10. A card is drawn at random from a well-shuffled deck of 52 cards. The probability that the card is neither a heart nor a king is



(a) 
$$\frac{9}{13}$$
 (b)  $\frac{17}{52}$  (c)  $\frac{35}{52}$  (d)  $\frac{4}{13}$ 

67. There is a circular path around the sports field. Maryam takes 20 minutes to drive one round of the field, while Ahmad takes 15 minutes for the same. Suppose they both start at the same point and the same time, and go in the same direction. After how many minutes will they meet again at the starting point?

- 68. If  $2^m 2^{m-1} = 4$  then value of  $m^m$ 
  - (a) 4 (b) 27 (c) 6 (d) 64
- 69. In the given figure, AOB is a straight line. If x: y: z = 4:5:6, then y = 4:5:6, then y = 4:5:6, then y = 5:6, then y = 5:6, then y = 5:6.



70. The value of 
$$\frac{\cos^2\theta + \tan^2\theta - 1}{\sin^2\theta}$$
 is

(a) 0	(b) $cos^2\theta$	(c) $tan^2\theta$	(d) $\frac{1}{sin^2\theta}$
			5111 0

71. A vertical pole of height 10 metres stands at one corner of a rectangular field. The angle of elevation of its top from the farthest corner is  $30^{\circ}$ , while that from another corner is  $60^{\circ}$ . The area (in  $m^2$ ) of rectangular field is

(a) 
$$\frac{200\sqrt{2}}{3}$$
 (b)  $\frac{400}{\sqrt{3}}$  (c)  $\frac{200\sqrt{2}}{\sqrt{3}}$  (d)  $\frac{400\sqrt{2}}{\sqrt{3}}$ 

- 72. The mean weight of 150 students in a class is 60 kg. The mean weight of the boys is 70 kg while that of girls is 55 kg. Find the difference of number of boys and girls.
  - (a) 25 (b) 50 (c) 75 (d) 100
- 73. In the given figure, XY is parallel to AC and divides the triangle  $\Delta ABC$  into the two parts of equal area. Then the ratio AX: AB equals





74.	The value of k so that the equations $2x^2 + kx - 5 = 0$ and $x^2 - 3x - 4 = 0$ have one root in common are					ne root in	
	(a) $3, \frac{27}{2}$	(b) 9, $\frac{27}{4}$	(c) $-3, \frac{-27}{4}$	(d	l) -3, <del>4</del> 27		
75.	Let us conside	r the following	g two arithmetic	c progressio	ons with 100	elements in eacl	h
	A: 5, 8, B: 3, 7, How many con (a) 33	nmon elemen (b) 50		the AP seq (c) 30	uences A ar	nd B? (d) 25	
76.	76. In the figure given below, AD, AE and BC are tangents to the circle at D, E, F respectivel					ectively. Then	
	(a) 4AD = AB +	(a) $4AD = AB + BC + AC$					
	(b) $3AD = AB + BC + AC$						
	(c) $2AD = AB + BC + AC$						
	(d) AD = AB +	BC + AC			P		
77.	If one of the zeroes of the cubic polynomial $x^3 + ax^2 + bx + c$ is 0 then the product of the other two zeroes is					$x^3 + ax^2 +$	
	(a) 0	(b) <i>a</i>		(c) <i>b</i>		(d) <i>c</i>	
78.	There is a right circular cone of height $h$ and vertical angle $60^{\circ}$ . A sphere when placed inside the cone, it touches the curved surface and the base of the cone. The volume of the sphere is						
	(a) $\frac{4}{3}\pi h^{3}$	(b) $\frac{4}{9}\pi$	$h^3$	(c) $\frac{4}{27}\pi h^3$		(d) $\frac{4}{81}\pi h^3$	
79.	If the polynomial $x^4 - 6x^3 + 16x^2 - 25x + 10$ is divided by another polynomial $x^2 - 2x + k$ , the remainder comes out to be $x + a$ , then the value of $a$ is						
	(a) <i>-1</i>	(b)-5		(c) 1		(d) 5	
80.	Find sum of the angles, $\sum_{i=1}^{10} (\angle i)$ , in the diagram given below:						
	(a) <i>540</i> °				I		
	(b) 360°		/	<u> </u>		_	
	(c) <i>1080</i> °				7		
		\   \   \   \   \   \   \   \   \					

(d) 720°





# **Section V: Biology**

- 81. Pulmonary \_\_\_\_\_\_ carries \_\_\_\_\_\_ rich blood from the heart to the lungs and pulmonary carries \_\_\_\_\_\_ rich blood from the lungs to the heart.
  - (a) vein, oxygen, artery, carbon dioxide
  - (c) artery, oxygen, vein, carbon dioxide
- (b) artery, carbon dioxide, vein, oxygen(d) vein, carbon dioxide, artery, oxygen
- 82. Select the incorrect statements.
  - (a) Phloem tubes are only found in the leaves of plants as this is where the sugars are made.
  - (b) Volume of blood in an average human adult is 10 litres.
  - (c) Blood contains many more white blood cells than red blood cells.
  - (d) all of these.
- 83. Ruchi collected four different kinds of seeds (W, X, Y & Z). The characteristic of each seed is given. Identify the seeds and the agent of their dispersal & select the correct option.
  - W Surrounded by tiny hair
  - Y Presence of hooks or spines
- X thick coat of fibres

Z - Enclosed in a fruit that burst open when mature.

	Seed	Agent of Dispersal
(a)	W-Dandelion	Animals
(b)	X-Coconut	Water
(c)	Y-Xanthium	Air
(d)	Z-Lotus	Explosion

- 84. Which of the following is the correct path of oxygen in humans during inhalation?
  - (a) Nostrils  $\rightarrow$  Nasal Cavity  $\rightarrow$  Pharynx  $\rightarrow$  Bronchi  $\rightarrow$  Trachea  $\rightarrow$  Bronchiole  $\rightarrow$  Alveoli
  - (b) Nostrils  $\rightarrow$  Nasal Cavity  $\rightarrow$  Pharynx  $\rightarrow$ Trachea $\rightarrow$ Bronchi $\rightarrow$ Bronchiole  $\rightarrow$  Alveoli
  - (c) Nostrils  $\rightarrow$  Nasal Cavity  $\rightarrow$ Trachea $\rightarrow$ Pharynx  $\rightarrow$  Bronchi  $\rightarrow$ Bronchiole  $\rightarrow$  Alveoli
  - (d) Nostrils  $\rightarrow$  Nasal Cavity  $\rightarrow$  Pharynx  $\rightarrow$  Trachea  $\rightarrow$  Alveoli $\rightarrow$  Bronchi  $\rightarrow$  Bronchiole

85. Select the correct sequence of words to complete the given passage.

The Pharynx actually has two apertures, one opening into the wind pipe & the other into the \_\_\_\_\_\_. The aperture opening into the wind pipe is grounded by \_\_\_\_\_\_. It closes the wind pipe when you take \_\_\_\_\_\_. (a) oesophagus, uvula, food (b) stomach, epiglottis, food

- (c) oesophagus, epiglottis, food
- (b) stomach, epiglottis, food(d) liver, uvula, water
- 86. The parts of human excretory system are given below:

(i) Bladder (ii) Kidney (iii) Ureter (iv) Urethra

- In which order does urine pass through these structures?
- $\begin{array}{ll} (a) \ (ii) \rightarrow (iii) \rightarrow (i) \rightarrow (iv) \\ (c) \ (ii) \rightarrow (iv) \rightarrow (i) \rightarrow (iii) \end{array} \\ \begin{array}{ll} (b) \ (i) \rightarrow (iii) \rightarrow (iv) \rightarrow (ii) \\ (d) \ (iv) \rightarrow (iii) \rightarrow (i) \rightarrow (ii) \end{array} \\ \end{array}$



87.	(a) 10 million years ag	inosaurs dominated the earth about a) 10 million years ago (b) 50 million years ago c) 150 million years ago (d) 500 million years ago						
88.	The idea 'omnicellula –e- cellula' which means that all living cells arise from pre-existing cells was giv by					g cells was given		
	(a) Robert Brown	(b)	Purkinje	(c) Rudolf Virch	NOW	(d) Schleiden		
89.	Which one of the following disease is not caused by bacteria?							
	(a) Anthrax	(b)	Typhoid	(c) Tuberculosi	s (d) Ma	laria		
90.	Identify the incorrect sentence: (a) Parenchymatous tissues have intercellular space. (b) Collenchymatous tissues are irregular. (c) Apical and intercalary meristems are permanent tissues. (d) Meristematic tissues, in its early stages, lack vacuoles.							
91.	The structural and fun (a) Nephron		of Nervous syst Neuron	em is (c) Neophron		d) Ganglion		
92.	A person put warm water in an aquarium, thinking that the fish would be more comfortable in it. However, the fish died. What can be the reason for this? (a) The concentration of oxygen decreases in warm water. (b) The concentration of carbon dioxide increases in warm water. (c) Fish cannot bear the extreme heat of the water. (d) All of these.							
93.	When a person breathes in, what happens to the diaphragm & to the rib cage?							
	Diaphragm		Ribcage					
	(a) Becomes flat		Moves downwards & inwards					
	. ,	Becomes flatten		Moves outwards & upwards				
	(c) Becomes me			wards & inwards				
	(d) Becomes mo	ore curved	Moves outwa	ards & upwards				
94.	The term gene was coined by							
	(a) Johannsen (b) Charles		Darwin	(c) Gregor Mer	idel	d) Linnaeus		
95.	National Centre for Biological Sciences located at							
	(a) Bangalore (b) Mysor		e (c) Chennai (d)		(d) Cuttack			
96.	During development of a frog, tadpole changes into an adult. This process is called							
	(a) ecdysis	(b) metam	-	(c) peristalsis		(d) cyclosis		
97.	An immediate higher group of related species of plants or animals is called							



	(a) genus	(b) order	c) population	d) class		
98.	Father of white revolu (a) Verghese Kurein	ution in india is (b) M.S Swam	inathan (c) J.C bose	(d) H.G Khorana		
99.	Match the vitamins and nutrients with the deficiency diseases given below & select the correct option.					
	(a) Vitamin A	p BeriBeri				
	(b) Vitamin B	q Xerophthalmia				
	(c) Iodine	r Kwashiorkor	]			
	(d) Proteins	s Goitre				
	(a) A = q , B = p , C = s (c) A = r , B = s , C = q		b) A = s , B = r , C = q , D = p d) A = p , B = s , C = q , D = r			
100.	Sex is determined by different factors in various species. In human beings the sex of the girl child depends on whether					
	(a) paternal chromoso	ome is X	(b) maternal Chromosomes is Y			
	(c) paternal chromoso	ome is Y	(d) paternal Chromosomes both X & Y			
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### Space for Rough Work



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