10 - Std Time : 3.00 hrs.

FIRST REVISION TEST - 2025 SCIENCE

DOB ST

	Answer all the question.		Marks: 75
	o project the morkets which at the	Outpo palati	12 X 1 = 12
	a) Newton's third law of motion b) Nout - 13 / are required?		
	c) Law of conservation of linear mome	ntum	
3	The value of Boltzmann constant		d) both a and c
3	SI unit of electrical resistivity	c) 8.31 J mol ⁻¹ K ⁻¹	d) 1.38 X 10 ²³ JK ⁻¹
4	Which of the following is a dis-	c) ohm	d) ohm meter
5.	Across the period, ionic radii	c) Carbondioxide	d) Hydrogen
6.	The general molecular formula of allowers is		
7.	b) C _n H _{Sn} is ATP factory of the cell	c) G _n H _{2n+2}	d) CH ₂
0	a) Cytopiasm b) Mitochondria	c) Nucleus	d) Chromosomes
8.	a) Cytoplasm b) Mitochondria c) Nucleus d) Chromosomes Which one of the following have uncompleted four chambered heart		
9.	-/ mipiliolans	c) Reptiles	d) Mammals
	are round in		
10.	a) retina of eye b) cerebral cortex	c) embryo	d) respiratory epithelium
	TO THE PARTY OF TH		
1.	a) zoospores b) conidia The term mutation was introduced by	c) zygote	d) chlamydo surres
	mas included by	*********	
2.	a) Hugo De Vries b) W.F. Libby c) Gregor Johnn Mendel d) Langdon D is a biosphere reserve in Tamil Nadu.		
	a) Nilgiris b) Coimbatore	c) Madurai	d) Chennai
	Answer any seven questions. Q.No.	22 is compulsory.	7 7 7 - 14
3.	Define : Critical Mass.		7 X 2 = 14
1.	tate any two uses of copper.		
	Match the following.		
	Common Name Molecular formula		

i) Blue vitriol - MgSO₄. 7H₂O

iii) Gypsum - CuSO₄ . 5H₂O iii) Green vitriol - CaSO₄ . 2H₂O

iv) Epsom salt - FeSO₄. 7H₂O

16. What is respiratory quotient?

17. Draw and label the structure of following picture.

18. How can you determine the age of the fossils?



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29.

30. ii) a) 'Emphysema' the disease affected which part of the organ?

31.

32. Iron. ii) Calculate the volume of ethanol in 200ml solution of 20% V/V aqueous solution of ethanol.

Answer all questions. IV

19.

20.

21.

22.

III

23.

24.

25.

26.

 $3 \times 7 = 21$

i) What is unit of momentum? ii) What is co-efficient of apparant expansion? 33. iii) List any four properties of light. (OR)

i) The resistivity value of Nichrome

ii) Explain why, the ceilings of concert halls are curved.

iii) Compare the properties of alpha, beta and gamma radiations.

What is a chemical equilibrium? What are its characteristics? (OR) 34. How is ethanol manufactured from sugarcane?"

i) Leuco plast are plastids. 35.

ii) What is cohesion?

iii) What are the advantage and disadvantages of cross pollinations. (OR)

i) The theory of natural selection for evolution was proposed by

ii) Define genetic engineering.

iii) What are the various routes by which transmission of human immuno deficiency virus take place?

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