Class:10			Register	T	
FIDET DEVIS	ION EXAMIN	Am	Number		
FIRST REVIEW	SCIE	NC	ION - JANUA	KX	
	PART	-1	E		[Max. Marks : 75
. Choose the correct and	swer.				12x1=12
If the Earth shrinks to 50%	of its real radius its n	nass	remaining the sam	e, th	e weight of a body on
the earth will					
a) Decrease by 50%			Increase by 50%		
c) Decrease by 25%	of the object is for	d)	Increase by 300%		
In Myopic eye, the image	b) On the Retine	€d			
a) Behind the Retina . The Value of Boltzmann of	constant is	C)	In front of the Reti	na	d) On the blind Spot
a) 1.381x10 ⁻²³ JK ⁻¹	b) 1.381x10 ²³ IK-1				
. Kilowatt is the unit for		c)	1.8x10 ⁻²³ JK ⁻¹	a)	8.31xJ mol ⁻¹ K ⁻¹
a) Resistivity	b) Conductivity				
. Which of the Following is	a Poly atomic moles	c)	Electrical Energy	d)	Electrical power
a) Glucose	b) helium				11
is an importan		C)	Carbondioxide	d)	Hydrogen
a) Ag	b) Hg				
. Which of the following is t		()	Mg	a)	·Al
	b) Benzene		Water	.15	
. Which is formed during A			vvaler	a)	Alcohol
a) Carbohydrate			Acetul COA		D
. Which is called as Heart		()	ACCIVICOA	a)	Pyruvate
a) SA node		c)	Purkinie fibro		Dunella (11)
0. The Hormone which has				u)	Bundle of His
a) Cytokinin			Gibberellin	d	Ethulana
I. What is true of Gamates		-,	Cibbereilli	u,	Ethylene
a) they are Diploid		h	They give rise to	0-	
a) they are Diploidb) They give rise to Gonadsc) They produce hormonesd) They are formed from Gonads					
2. The region of the Chrom		hind	fibres get ettech	Tror	n Gonads
a) Chromoreme	b) Centrosome				
a) onionoreme	PAR) Centromere	d) Chromonema
American					
Answer any seven que					7x2=
3. Classify the types of forc			ation?		
1. Distinguish between linea					
5. How many moles of Calci	um Carbonate and H	ow	many moles of CO	2 are	involved in the Followi
Reaction?					
$CaCO_3 \rightarrow CaO +$					
5. What is Binary Solution?					
7. Write a Dental formula o	f Rabbit?	13			CTT 110.12
					CH / 10 / Sc

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Forebrain

- 18. Match:
- Peripheral Nervous System
- a) Nissil's Granules
- Cyton b) Hypothalamus Hind Brain
- c) Cerebellum
- d) Schwann Cell
- a) ----- Causes Stomatal Closure. 19. Fill in the Blanks.
- 20. Write the Characteristics of Insect Pollinated flowers?
- 21. What do you mean by Phenotype and Geno types. 21. What do you mean by Phenotype 2. 22. A piece of Wire of Resistance 10 Ω is drawn out so that its length is increased to three times its
- Original length. Calculate the new Resistance

PART - III

III. Answer any seven questions. Q.No: 32 is compulsory.

- 23. Describe Rocket Flopatties show the image formed by a convex lens when the object is placed 24. a) Draw a ray diagram to show the image formed by a convex lens when the object is placed
- - between F and 2F. b) List any two Properties of Light.
- 25. List the merits of LED bulb. 26. What is Rust? give the Equation for formation of Rust?
- 27. a) Draw and Label the Structure of Oxysomes.
- b) Write the Reaction for Photosynthesis.
- 28. a) Differentiate between Systole and Diastole. Explain the Conduction of Heart Beat.
- 29. With a Neat labelled diagram explain the Structure of a Neuron.
- 30. Write the Physiological effects of Gibberellins.
- 31. a) What are Allosomes?
 - b) Say True of False? If False correct the Statement.
 - i) Down's Syndrome is the Genetic condition with 45 Chromosomes?
 - ii) A typical Mendelian Dihybrid ratio of F2 generation is 3:1
- 32. 16 grams of NaOH is dissolved in 100 g of Water at 25°C to form a Saturated Solution. Find the
- Mass percentage of Solute and Solvent?

PART-IV

- IV. Answer all the questions in detail.
- 33. a) State and Prove law of conservation of Momentum.
- . b) Derive the Ideal Gas equation?
- 34. a) i) Write four Differences between atoms and Molecules.
 - ii) Write any three Postulates of Modern Atomic theory. (OR)
 - b) Explain Smelting Process.
- 35. a) How is the Circulatory system designed in leech to compensate the heart Structure.

(OR)

b) What are the Phases of Menstrural cycle? Indicate the Changes in the Ovary and Uterus?

CH/M. 10/Sci/2

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3x7=21

(OR)

7x4 = 28