-10	Register	
Class:10 COMMON QUARTERLY	EXAMINATION -	2024 - 25
COMINON QUARTERS SCI	ENCE	[Max. Marks: 75
Fime Allowed: 3.00 Hours] SCI	RT-I	(Marks, /3
the correct answer.		12x1=12
Choose the change of momentum	b) D-t((1)	
1. Impulse is equal to a) Rate of change of momentum a) Rate of Momentum	b) Rate of force and to	
a) Rate of Change of Momentum c) Change of Phosphorous is	d) Rate of change of	mass
a Atomicity of the b) 3	c) 6	d) 7
a) 4 Which one is referred as "Master Gland"? b) Pituitary Gland		9,
3. Which one is felorium b) Pituitary Gland	d c) Thyroid Gland	d) Adrenal Gland
a) Pineal Gland b) Pituitary Gland a) Pineal Gland In India domestic circuits are supplied with	an alternating current of F	Polential
4. In India dollies b) 220 V	c) 230 V	d) 240 V
21	240	230
5. Deliquescerice is deliquesc	b) Less affinity to wa	
a) Strong animy Strong hatred to water c) Strong hatred to water	d) Inertness to water	
Tho Units form and	o) Nitrogenous bas	e d) Sugar Phosphate
6. The — Units form the b) Phosphate a) 5 Carbon Sugar b) Phosphate	refer to use while reading	ng small letters found in a
Which of the lollowing is the	reier to use wille readil	ig Sinaii iouoio ioune iii a
dictionary?	b) A concave lens	
a) A convex lens of Focal length 10 cm		of Focal length 10 cm
8. Neon shows Zero steams of neutrons a) Stable arrangement of neutrons	b) Stable configura	ition of electrons
	d) Increased dens	ity
c) Reduced size	the electrical impulses, of	of brain
b) EGG	c) EEG	d) EGE
a suport of Heart Is Called		
connode by	c) Purkinje fibres	d) Bundle of His
denot Possess		d) Destrites
Nourilemma b) Gaissianni	a c) Axon	d) Dentrites
the period, Iconic rauli	13 1	
a) Increase and then Decrease	b) Increases	tont
c) Decreases	d) Remains cons	dant
	PART - II	7x2=
II. Answer any seven questions. Q.No.	22 is compulsory.	7 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	Illa Illelition its office.	
the die Duct? Give the equation for the	Foliliulation of readt.	
Le Later la Cincatrial node Called as Pacell	lakel of flear.	
16 Match the items in column I to Items	III, Column ii	
Column I - Colum	n II	
i) Flectric Current - a) Volt		
ii) Potential difference - b) Ohm m	eter	
iii) Specific resistance - c) Watt		
iv) Electrical energy - d) Joule		
- e) Ampere		CH/10/

Kindly Send Me Your Key Answer to Our email id Padasalai.net@gmail.com

17. Why the Relative molecular mass has no Unit?

- 18. What do you understand by the term Phenotype and Genotype?
- 18. What do you under Systemic Circulation and Pulmonary Circulation?

 19. Difference between Systemic Circulation and Pulmonary Circulation? 19. Difference between the property of the Pulmonary Circulation?
 20. While catching a cricket Ball, the Fielder lowers his hands backwards. Why?

21. What is respiratory Qnotient? 21. What is respirately of water Molecules present in one drop of water which weights 0.18g.

PART – III

Answer any seven questions .Q.No: 32 is compulsory. 23. a) Differentiate Mass and Weight (any two)

7x4 = 28

b) Write any two properties of Light

24. a) Why are traffic signals Red in Colour? b) What is Power of Accommodation Eye?

b) What is will the cool drinks give more fizz at the top of the hills or at the foot. Explain.

a) Will the CO₂ i) How many moles of Calcium carbonate are involved in this reaction
b) CaCO₃ many moles of CO₂ are their in this equation ii) How many moles of CO₂ are their in this equation ii) How the between hygroscopic substances and deliquescence substances.

26. Differentiate between hygroscopic substances and deliquescence substances.

26. Differentiate 27. a) Minerals in the plants are not lost, when the leaf falls. Give Reason. b) Draw the structure of Human sperm and label the parts.

28. a) Write the Chargaff rule of DNA base pairing.

a) Why the mature RBC in Mammals do not have Cell Organelles?

The electronic configuration of metal 'A' is 2, 8, 18,1 the metal 'A' with Con. H₂SO₄ forms C and D along with water. 'D' is a gaseous compound. Find A, B, C and D. 30. a) What is Guttation?

- b) Where are Estrogens Produced? What is the role of Estrogens in the Human body?
- 31. Identify whether the statement are True or False. Correct the False statement. i) An anticoagulant present in the saliva of leech is called heparin.

ii) Cerebrum controls the voluntary actions of our body.

b) Define: Reflex arc

32. Calculate the coefficient of Cubical expansion of Zine bar, whose volume is increased 0.25 m³ from 0.3m³ due to the change in temperature of 50k

PART-IV

Answer all the questions in detail.

3x7 = 21

33. a) "Wearing helmet and fastening the seat belt is highly recommended, for safe Journey".Justify your answer using Newton's Laws of Motion.

b) State Newton's Third Law.

c) Give any two examples for moment of a Couple.

(OR)

a) Differentiate series and Parallel circuit (any two)

b) State. Joule's law of Heating.

- c) What is the role of the Earthwire domestic circuits.
- 34.a) Give the salient features of Modern atomic theory.
 - b) Identify the bond between the 'H' and 'F' in HF Molecule
 - c) Name the Acid that renders Aluminium Passive.

(OR)

a) What happens when MgSO₄.7H₂O is heated? Write the appropriate equation.

b) Write notes on Various features affecting solubility.

35. a) Luteal Phase of the Menstrual cycle is also called the secretory Phase. Give Reason.

b) Define: Triple Fusion.

c) Why family planning methods are not adopted by all the people of our country?

(OR)

- a) List out the Parasitic adaptations of Leech.
- b) What are the structures involved in the Protection of Brain.

CH / 10 / Sci / 2