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Common Quarterly Examination - 2025 -

Standard 9

Tim	ie: 3	.00 Hours	SCIE	NCE	Marks: /5
			PART	г-1	
I.	Cho	ose the best ansv	12x1=12		
	1)	Rulers, measuring tapes and metre scales are used to measure			
		a) mass	b) weight	c) time	d) length
	2)	is defined as	the change in pos	ition of a moving body in a	particular direction
		a) Distance	b) Displacemen	nt c) Speed	d) velocity
	3)	Clouds float in atr	nosphere becaus	se of their low	
		a) density	b) pressure	c) velocity	d) mass
	4)) In a pressure cooker, the food is cooked faster because			
		a) Increased pressure lowers the boiling point			
		b) Increased pressure raises the boiling point			
		c) decreased pressure raises the boiling point			
		d) Increased pressure lowers the melting point			
The separation of denser particles from lighter particles d high speed is called				one by rotation at	
		a) Filtration	b) sedimentati	on c) decantation	d) centrifugation
	6)	The maximum nu equal to		ns that can be accomod	
		a) ₀ n¹	b) ₁ H ¹	c) 2n ²	d) 2n ³
1.7	7)	Change in the nur	mber of neutrons	in an atom changes it	to
•		a) an ion	b) an isolope	c) an isobar	d) another element
Modern periodic law states that the physical and che elements are the periodic functions of their				ical properties of	
		a) atomic numbers	s b) atomic mase	es c) similarities	d) anomalies
	9)	Find the group have	ving only marine i	members	
• • •		a) Mollusca	b) coelenterat	a c) Echinodermata	d) Porifera
	10)	Which of the follow	wing is a complex	x tissue?	
		a) parenchyma			d) Sclerenchyma
	11)	The tropic movem	ent that helps th	e climbing vines to find	a suitable support
•	•	IS		7	
	2	a) Phototropism		b) Geotropism	
		c) Thigmotropism		d) chemotropism	2 (2)
	12)	A presentation co	nsists of many		
		a) Pages	b) ślides	c) place holders	d) messages
		2	PART	-11	
II. Answer any 7 questions. Q.No. 22 is compulsory: 7x2=14					
	13) Define measurement				
	14)	Match the follow	ing:		
		i) Density	e) *1	hpg	
		ii) Pascal's law	_	Milk	

Mass / Volume

Pressure

iii) Pressure exerted by a fluid -

iv) Lactometer

- 15) A few drops of 'Dettol' when added to water the mixture turns turbid. Why?
- 16) How was it shown that atom has empty space?
- 17) State whether true or false. If false correct the statement
 - i) Alloys bear the characteristics of both metals and non metals
 - ii) Group 17 elements are named as Halogens
- 18) How are the limbs of the birds adapted for avian life?
- 19) In which stage of mitosis the chromosomes align in an equatorial plate? How?
- 20) Define transpiration
- 21) What is a slide?
- 22) A block of wood of weight 200 g floats on the surface of water. If the volume of block is 300 cm³, calculate the upthrust due to water.

PART-III

III. Answer any 7 questions. Q.No. 32 is compulsory:

7x4 = 28

- 23) Write the rules that are followed in writing the symbols of units in SI system
- 24) Explain different types of motion
- 25) How does an objects density determine whether the object will sink or float in water?
- 26) What conclusions were made from the observations of Gold foil experiment?
- 27) State any five features of modern periodic table
- 28) List five characteristic features of fishes
- 29) List out the differences between mitosis and mecosis
- 30) How will you differentiate the different types of transpiration?
- 31) i) What is Chlorophyll?
 - ii) What is nastic movement
- 32) Explain Tyndall effect and Brownian movement with suitable diagram

PART-IV

IV. Answer all the questions:

3x7 = 21

33) a) How will you find the thickness of a one rupee coin?

(OR)

- b) Explain the construction and working of a hydrometer with diagram
- 34) a) i) How is a mixture of common salt, oil and water separated? You can use a combination of different methods?
 - ii) Fill in the blanks
 - 1. Alcohal can be separated from water by
 - 2. Chromatography is based on the principle of

(OR)

- b) i) State modern periodic law
 - ii) What are the limitations of Mendeleev's periodic table?
- 35) a) i) Define taxonomy
 - ii) Describe the characteristic features of different prochordates

(OR)

b) Write about the elements of xylem.

C Christo MA BED Tenkain