FIRST	MID TERM TEST - 2024	
10 - Std	SCIENCE	
Time: 1.30 Hrs	(calem) Marks: 50	_
I Answer all the qu	uestions. Choose the correct answer. $7 \times 1 = 7$,
1. In which of the fo	ollowing sport the turning of effect of force used	
a) swimming	b) tennis	
c) cycling	d) hockey	
	resbyopia' can be corrected	
a) convex lens	b) concave lens	
c) convex mirror	d) Bi focal lenses	
3. The number of pe	riods and groups in the periodic table are	
	7,17 c) 8,18 d) 7,18	
	pied by 1 mole of a diatomic gas at S.T.P is	
	5.6 litre c) 22.4 litre d) 44.8 litre	
	ect sequence of blood flow	
	rium -> vein-> arteries	
(b) atrium-> vent	tricle -> veins -> arteries	
	tricle -> arteries -> vein	
	vein -> atrium -> arteries.	
6. Node of Ranvier is	s found in	
(a) muscles (b)	axons (c) dendrites (d) cyton	
	ition is the characteristic feature of	
/	stem c) leaves d) flower	
II Answer any Five	questions only. Question No. 14 is	
Compulsory.		
8. Differentiate mass	and weight. $2 5 \times 2 = 10$	
9. State Snell's law.		
	e the equation for formation of rust.	
	e structure of oxysomes. 2	

12. What are the structures involved in the protection of brain?

13. What is the importance of valves in the heart?

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	of length 40 cm. What should be the length of the spanner if a force of 40 N is applied to unscrew the same nut?	
ш	Answer any Three Questions only. Question No. 20 is	
•	Compulsory.	
	Describe rocket propulsion. $3 \times 4 = 12$	
16.	Differentiate convex lens and concave lens.	
	write the differences between atoms and molecules	
	Classify neurons based on its structure.	
	Enumerate the functions of blood.	
	i) H ₂ O ii) CO,	
TV.	Angurar All the properties	
	(ii) Define inertia. Give its classification.	
	(OR) 22 Culled	
	(a) (i) State Newton's laws of motion? (ii) Define inertia. Give its classification. (OR) (b) (i) List any five properties of light. (iii) What are the causes of 'Myonia'?	
	(ii) What are the causes of 'Myopia'?	
22.	(a) (i) Write any <u>Four</u> salient features of "Modern atomic theory".	
	(ii) Define: Atomicity	
	(iii) Gram Atomic Mass of nitrogen is	
(OR)		
	(b) (i) A is a reddish brown metal, which combines with O_2 at < 1370	
	K gives B, a black coloured compound. At a temperature > 1370 K,	
	A gives C which is red in colour. Find A,B and C with reaction.	
	(ii) Write the name of the Aluminium Alloy used to make pressure	
	cookers, and also name the metals used in this alloy.	
23.	(a) (i) Write the dental formula of rabbit.	
	(ii) List out the parasitic adaptations in leech. (OR)	
	(b) (1) How are arteries and veins structurally different from one	
	another? (ii) Define reflex arc.	
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14. A mechanic unscrew a nut by applying a force of 140 N with a spanner