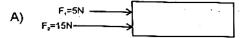
<i>.</i>	ΛP			Register No.	
	<b>0</b> R	First Mi	d-Term Test - 2024	- L	
Tim	e: 1.30 Hour		SCIENCE		Marks: 50
l.	Write the correct answ	ver with notation	n:		10x1=10
1.	If the Earth shrinks to 50 Earth will	0% of its real radi	ius its mass remaining the	same, the weight of a	a body on the
	a) decrease by 50%	b) increase by 50	0% c) decrease by 25%	d) increase by 30	0%
2.			nat a real and inverted ima		
	a) f	o) 2f	c) infinity	d) between f and 2	
3.	Power of a lens is -4D,	•			
	,	b) -40m	c) -0.25 m	d) -2.5 m	
4.	The grain molecular ma	ss of oxygen mo			
		) 18 g	c) 32 g	d) 17g	e e e e e e e e e e e e e e e e e e e
5.	- In	- · · · ·	r of halogen family		
		) 15th	c) 18th	d) 16th	
6.	The endarch condition	•	•		
٠.		) stem	c) leaves	d) flower	
7.	Which is formed during	•		, <b>-,</b>	
		) Ethyl alcohol	b) Acetyl CoA	d) Pyruvate	
8.		.,,	2,7,123,3		•
	•	b) 33 segments	c) 38 segments	d) 30 segments	
9.	The wall of human hear			a) 55 5 5 5 5 5 5 5	
		) Epicardium	c) Myocardium	d) All of the above	
10.	Vomiting centre is local			a) / III of the above	
, ,	a) medulla oblongata		c) cerebrum	d) hypothalamus	•
	•				
	• 1 · · · · · · · · · · · · · · · · · ·		SECTION - 2		
II.,	Answer any seven questions. 7x2=14				
	Classify the types of force based on their application.				
12.	Fill in the blanks.				
1	<ul><li>a) Amount of light entering into the eye is controlled by</li><li>b) The path of the light is called as</li></ul>				
	3. Define dispersion of light				
	1. Define : Atomicity and find the atomicity of phosphors.				
	Fill in the blanks				
			e periodical table.		
	b) The chemical name				
16.	What is photosynthesis		The state of the s	n in de Marie Carlo de California. De la grande de la companya de la c	•
17.	Draw and label the stru	cture of oxysome	es.		

10 Science - 1

Identify whether the statements are True or False. Correct the false statement
 a. An anticoagulant present in saliva of leech is called heparin.

b. The vas deferens serves to transport the ovum.

- 19. Match the following.
  - 1. Symplastic pathway Leaf
  - Transpiration Plasmodesmata
    Osmosis Pressure in xylem
  - 4. Root Pressure Pressure gradient
- 20. Find the resultant force of the following.





## SECTION - 3

## III Answer for any three questions.

3x4 = 12

- 21. a. Differentiate mass and weight.
  - b. If the mass of a person on earth is 50 kg, then what is his mass on the moon?
- 22. Give any four salient features of "Modern atomic theory".
- 23. a. Why should the light dependent reaction occur before the light independent reaction?
  - b. Write the reaction for photosynthesis?
- 24. a. Which organ acts as a suction pump in leech?
  - b. Why is the teeth of rabbit called heterodont?
- 25. Match the following.
  - Leukemia Thrombocytes
    Platelets Phagocyte
  - Monocytes Decrease in leucocytes
  - 4. Leucopenia Blood Cancer
  - 5. AB blood group Allergic condition
  - 6. 0 blood group Inflammation7. Eosinophil Absence of antigen
  - 8. Ncutrophils Absence Of alltibod

## SECTION - 4

## IV. Answer for the following

2x7=14

- 26. A. 1. Describe rocket propulsion.
  - 2. Differentiate (Any two Points) Myopia and Hypermetropia

(or)

- B. 1. Derive the relationship between Relative molecular mass and Vapour density.
  - 2. a) Identify the bond between H and F in the HF molecule.
    - b) What property forms the basis of identification?
    - c) How does the property vary in periods and in groups?
- A. 1. Describe and name three stages of cellular respiration that aerobic organisms use it to obtain energy from glucose.
  - 2. How does locomotion take place in leech?

(or)

- B. 1. Classify neurons based on its structure.
  - 2. Draw neat labelled diagram of a neuron.

10 Science - 2