

SECOND TERM FINAL EXAMINATION - 2025Exam No.

--	--	--	--	--

Time : 2-00 Hours

VI - SCIENCE

Marks : 60

I. 1) Answer all the questions. 2) Choose the correct answer. (5x1=5)

1. The device which converts chemical energy into electrical energy is
a) fan b) solar cell c) cell d) television
2. _____ is the percentage of nitrogen in air
a) 78% b) 21% c) 0.03% d) 1%
3. The unit of measurement used for expressing
a) centimeter b) millimeter c) micrometer d) meter
4. Main organ of respiration in human body is
a) stomach b) spleen c) heart d) lungs
5. Which one of the following is an output device
a) Mouse b) Keyboard c) Speaker d) Pendrive

II. Fill in the blanks. (5x1=5)

6. The SI unit of temperature is _____.
7. _____ are the materials which allow electric current to pass through them.
8. The gas given out during photosynthesis is _____.
9. The instrument used to observe the cell is _____.
10. The _____ is the largest sense organ in our body.

III. True or False. (5x1=5)

11. Steam is formed when heat is released from water.
12. In a parallel circuit, the electricity has more than one path.
13. Burning of match stick is a reversible change.
14. Planting trees help in decreasing global warming.
15. A cell is the smallest unit of life.

IV. Match the following. (5x1=5)

- | | | |
|---------------------|---|-------------------------------|
| 16. Ear | - | Cardiac muscle |
| 17. Skeletal system | - | Flat muscle |
| 18. Diaphragm | - | Sound |
| 19. Heart | - | Air sacs |
| 20. Lungs | - | Protection of internal organs |

V. Answer any 10 questions only. Give short answer (10x2=20)

21. What is temperature?
22. Make a list of electrical equipments at home which we get heat from.
23. **Analogy:** 1) Hert : Joule :: Temperature : _____.
2) Ice cube : 0°C :: Boiling water : _____.
24. **Analogy:** 1) Cooking of food : Desirable change :: Decaying of food : _____.
2) Burning of match stick : _____ Change :: Rotation of the Earth : Slow change.
25. What kind of the change is associated with decaying of a plants?
26. What is a solution?
27. What is atmosphere?
28. What will happen if you breathe through mouth?
29. Who discovered the cell in 1665?
30. What are the essential components of a cell?
31. Describe about skeletal system.
32. Name the five important sense organs.
33. Name the parts of a computer.

VI. Answer any 4 questions only. Answer in detail. (4x5=20)

34. Explain thermal expansion with suitable examples.
35. **Match the following.**

1. Heat	-	0°C
2. Temperature	-	100°C
3. Thermal Equilibrium	-	Kelvin
4. Ice cube	-	No heat flow
5. Boiling water	-	Joule
36. What is the source of electricity? Explain the various power stations in India?
37. Give one example for each case that happens around you.
1) Slow and fast change 2) Reversible and irreversible change
3) Physical and chemical change 4) Natural and man-made change
5) Desirable and undesirable change.
38. Why is atmosphere essential for life on earth?
39. Draw a heat labelled diagram of a prokaryotic cell.
40. List out the functions of Endocrine system and Nervous system.

6-Science-1