

## SECOND MID TERM TEST - 2024

### Standard VII SCIENCE

Reg.No. 

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*[Signature]*  
1511124

Marks : 50  
5 x 1 = 5

Time : 1.30 hrs

**I. Choose the correct answer:**

1. In thermometer when bulb comes in contact with hot object, liquid inside it \_\_\_\_\_  
a) expands                      b) contracts                      c) remains same                      d) none of above
2. The body temperature of a healthy man is \_\_\_\_\_.  
a) 0°C                      b) 37°C                      c) 98°C                      d) 100°C
3. Small amounts of electrical current are measured in milliampere (mA). How many milliampere are there in 0.25 A ?  
a) 2.5 mA                      b) 25 mA                      c) 250 mA                      d) 2500 mA
4. \_\_\_\_\_ is an example of a periodic change  
a) Earthquake                      b) Formation of rainbow in sky  
c) Occurrence of tides in seas                      d) Showering of rain
5. The outer most layer of an animal cell. Who am I?  
a) Cell wall                      b) Nucleus                      c) Cell membrane                      d) Nuclear membrane

**II. Fill In the blank.**

5 x 1 = 5

6. At room temperature mercury is in \_\_\_\_\_ state.
7. \_\_\_\_\_ is used to measure the electric current.
8. S.I. unit of Electrical conductivity of a conductor is \_\_\_\_\_
9. Stretching gold coin into a ring is a \_\_\_\_\_ change
10. Mature Red blood cell do not contain a \_\_\_\_\_.

**III. State true or false. If false correct the statement.**

5 x 1 = 5

11. SI unit of temperature is Celsius
12. In a parallel circuit, the electric components are divided into branches.
13. Electron flow is in the same direction to conventional current flow.
14. Cutting of cloth is an example of a periodic change.
15. Animal cells have a cell wall.

**IV. Match the following.**

5 x 1 = 5

- |                            |   |                                 |
|----------------------------|---|---------------------------------|
| 16. Heat                   | - | Used to open or close a circuit |
| 17. Boiling point of water | - | Mitochondria                    |
| 18. Switch                 | - | Ice cube to water               |
| 19. Melting                | - | 100°C                           |
| 20. Power house            | - | A form of energy                |

**V. Answer any 12 of the following.**

12 x 2 = 24

21. Temperature of Srinagar (J&K) is -4°C and in Kodaikanal's 3°C which of them has greater temperature ? What is the difference between the temperatures of these two places?
22. What is the use of kink in clinical thermometer?
23. Why do we jerk a clinical thermometer before we measure the body temperature?
24. **Analogy:**  
a) Water : pipe :: Electric current : \_\_\_\_\_  
b) Copper : conductor :: Wood : \_\_\_\_\_

- 25. Name some devices that run using heat effect of electric current
- 26. Define an electric current
- 27. **Match the following.**

i) Battery	
ii) Wire	
iii) Bulb	
iv) Switch	

- 28. Classify the following changes as physical and chemical changes.  
Rusting of a iron nail, Painting the grill, Occurrence of day and night, blinking of eyelids, burning of matchstick, dosa from the batter.

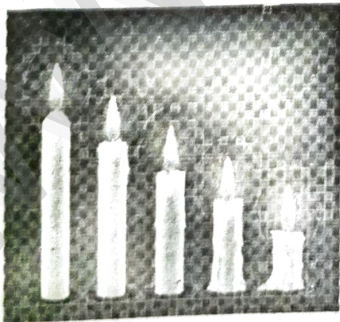
Physical changes	Chemical changes

- 29. Mention any two exothermic reactions.
- 30. Heart beat is a periodic change. Why?
- 31. **Assertion – Reason type question.**  
Assertion (A) : The explosion of fire cracker is a physical change.  
Reason (R) : A physical change is a reversible change.  
a) Both A and R are true and R is the correct explanation of A.  
b) Both A and R are true but R is not the correct explanation of A.  
c) A is true but R is false.  
d) A is false but R is true
- 32. What are the functions of cell wall in plant cell?
- 33. Write correct sequence from cell to organism?
- 34. Teacher said "A virus is not an organism" Do you agree with this statement or not? Explain Why?
- 35. Distinguish between the following pair : Smooth ER and Rough ER

**VI. Answer any 2 of the following.**

2 x 3 = 6

- 36. Draw the diagram of a clinical thermometer and label its parts
- 37. Observe the picture and list down the changes that are accompanied in the picture.



- A) \_\_\_\_\_
- B) \_\_\_\_\_
- C) \_\_\_\_\_

- 38. Write a short note on nucleus.

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