

6 - Std

# SECOND MID TERM TEST - 2023

## SCIENCE

Time : 1.30 Hrs.

Marks: 30

**I. Choose the best answer:**

5×1=5

- 1) The device which converts chemical energy into electrical energy is  
a) Fan                      b) Solar cell   c) Cell   d) Television
- 2) The 'Control centre' of the Eukaryotic cell is \_\_\_\_\_.  
a) Cell wall                b) Nucleus   c) Vacuoles                      d) Chloroplast
- 3) The unit of heat is \_\_\_\_\_.  
a) Newton                b) Joule      c) Volt   d) Celsius
- 4) \_\_\_\_\_ is a good conductor.  
a) Silver                    b) Wood   c) Rubber   d) Plastic
- 5) Electricity is produced in \_\_\_\_\_.  
a) Transformer        b) Power station      c) Electric wire                      d) Television

**II. Fill in the blanks:**

2×1=2

- 6) Bursting of fire crackers is a Fast change.
- 7) The term 'cell' was coined by .. Robert. Hooke

**III. True or False. If false, give the correct statement:**

3×1=3

- 8) Digestion of food is a physical change. F difference
- 9) The unit of heat and temperature are the same. F
- 10) Pure water is a good conductor of Electricity. F  
in pure

**IV. Match it:**

5×1=5

- |                         |   |              |      |
|-------------------------|---|--------------|------|
| 11) Ice cube            | - | No Heat flow | 18 2 |
| 12) Thermal equilibrium | - | Mitochondria | 14 5 |
| 13) Boiling water       | - | 0°C          | 11 1 |
| 14) Control center      | - | 100°C        | 13 3 |
| 15) Energy producer     | - | Nucleus      | 12 4 |

**V. Answer any Five:**

5×2=10

- 16) What is temperature?
- 17) Make a list of electrical equipments at home which we get heat from?
- 18) Draw the circuit diagram for series connection.

**19) Circle the odd one out. Give reason for your choice:**

Switch, Bulb, Battery, Generator

- 20) What is a solution?

**21) Analogy:**

- i) Burning of match sticks : Fast change ::  
Rotation of Earth : Slow change.
- ii) Distinguish of glucose : Reversible change ::  
Digestion of food : irreversible change.

- 22) What are the organelles found only in plant cell?

- 23) What is thermal expansion?

**VI. Answer in detail:**

1×5=5

- 24) a) Write a short notes on Conductors and Insulators.  
b) Draw a neat labelled diagram of a Prokaryotic cell.

(OR)