

es

SECOND MID TERM TEST - 2024

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Standard VI

Reg.No.

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SCIENCE

Foray

15/1/24

Marks : 50
5 x 1 = 5

Time : 1.30 hrs

I. Choose the correct answer:

1. The unit of heat is

a) newton	b) joule	c) volt	d) celsius
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2. Drying of wet clothes in air is an example of

a) Chemical change	b) Undesirable change
c) irreversible change	d) physical change
3. Formation of curd from milk is

a) a reversible change	b) a fast change
c) an irreversible change	d) an undesirable change
4. The unit of measurement used for expressing dimension (size) of cell is _____.

a) centimeter	b) millimeter
c) micrometer	d) meter
5. The 'control centre' of the eukaryotic cell is

a) Cell wall	b) Nucleus
c) Vacuoles	d) Chloroplast

II. Fill in the Blanks.

5 x 1 = 5

6. Heat flows from a _____ body to a _____ body.
7. Magnet attracts iron needle. This is change. (a reversible / an irreversible)
8. Bursting of fire crackers is a change whereas germination of seeds is a change. (slow / fast)
9. I take part in food production of a cell. Who am I? _____
10. The instrument used to observe the cell is _____.

III. Match the following.

5 x 1 = 5

- | | | |
|-------------------------|---|--------------|
| 11. Heat | - | 0°C |
| 12. Temperature | - | 100°C |
| 13. Thermal Equilibrium | - | Kelvin |
| 14. Ice cube | - | No heat flow |
| 15. Boiling water | - | Joule |

IV. True or False. If False, give the correct statement

5 x 1 = 5

16. The unit of heat and temperature are the same.
17. Steam is formed when heat is released from water.
18. Burning of match stick is a reversible change.
19. A cell is the smallest unit of life.
20. New cells are produced from the existing cells.

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VI Science

7 x 2 = 14

V. Give short answer. Write any 7 questions only.

21. Make a list of electrical equipments at home which we get heat from.
22. From where do we get sources of heat?
23. What is a solution?
24. **Analogy**
 - i) Ice cube : 0°C :: Boiling water : _____
 - ii) Curdling of milk : irreversible change :: Formation of clouds : _____ change
25. You are given some candle wax. Can you make a candle doll from it? What kind of change is this?
26. **Circle the odd one out. Give reason for your choice.**
Glowing of a bulb, lighting of a Candle, breaking of a coffee mug, Curdling of milk
27. Who discovered the cell in 1665?
28. What are the essential components of a cell?
29. **Arrange in a correct sequence**
Elephant, Cow, Bacteria, Mango, Rose plant.
30. One calorie heat energy is needed to raise the temperature of the water from 30°C to 31°C. How much heat energy is needed to raise the temperature of the water from 30°C to 35°C.

VI. Answer in detail. Write any 4 questions only.

4 x 4 = 16

31. Explain thermal expansion with suitable examples.
32. Distinguish between heat and temperature.
33. **Give one example for each case that happens around you.**
 - a) Slow and fast change
 - b) Reversible and irreversible change
 - c) Physical and chemical change
 - d) Natural and man-made change
34. Tabulate any five cell organelles and their function.
35. Draw a neat labelled diagram of a prokaryotic cell.
