

SECOND MID TERM TEST - 2023

Standard - VI

6109

TIME: 1.30hrs

SCIENCE

MARKS: 50

I Choose the best answer:

5x1=5

1. The Unit of heat is,
 - a) newton
 - b) Joule
 - c) Volt
 - d) Celsius
2. An iron ball at 50°C is dropped in a mug containing water at 50°C - The heat will,
 - a) flow from iron ball to water
 - b) not flow from iron ball to water or from water to iron ball
 - c) Flow from water to iron ball
 - d) increase the temperature of both
3. Formation of curd from milk is
 - a) a reversible change
 - b) a fast change
 - c) an irreversible change
 - d) an undesirable change
4. Air pollution leading to acid rain is a,
 - a) reversible change
 - b) fast change
 - c) natural change
 - d) human made change
5. The "Control centre" of the eukaryotic cell is,
 - a) cell wall
 - b) Nucleus
 - c) Vacuoles
 - d) Chloroplast

II Fill up the blanks

5x1=5

6. Heat flows from hot body to a cold body.
7. The SI unit of temperature is Kelvin
8. Boiling egg result in _____ change: an irreversible
9. The instrument used to observe the cell is the microscope
10. The term cell was coined by Robert Hooke

5x1=5

III True (or) False. If false give the correct answer:

11. Heat is a kind of energy that flows from a hot body to a cold body. - F
12. Burning of match stick is a reversible change. T
13. Growing of teeth in an infant is slow change. T
14. Nerve cell is the longest cell. T
15. New cells are produced from the existing cells. T

IV Analogy:

5x1=5

16. Heat : Joule ; Temperature : Kelvin
17. Curdling of milk : irreversible change ; Formation of clouds; reversible
18. Cooking food : desirable change : decaying of food undesirable
19. Food producer : chloroplasts ; power house : mito chondria
20. Spirogyra : plant cell ; Amoeba : Animal cell

V Match the following:

5x1=5

- | | | | |
|---------------------------|---|----------------|-----|
| 21. Heat | - | 100° c | - 2 |
| 22. Boiling water | - | Mitochondria | - 5 |
| 23. Rotation of the earth | - | Joule | - 1 |
| 24. Gate of the cell | - | Natural change | - 3 |
| 25. Energy producer | - | Cell membrane | - 4 |

VI Answer in a sentence (or) two:

5x2=10

26. What is temperature?
27. What is thermal expansion?
28. What is solution?
29. What happen when paper is burnt? Explain.
30. Distinguish between prokaryotic and eukaryotic cells (any two point)

VII Answer in detail:

3x5=15

31. Explain thermal expansion with suitable example. (5)
32. (a) What type of changes is associated with germination of seed? explain. (2)
- (b) Given one example for each case that happens around you. (3)
- (i) Slow and fast change
- (ii) Physical and chemical change
- (iii) Desirable and undesirable change.
33. Tabulate any five cell organelles and their function. (5)

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