



KSHATRIYA VIDHYASALAMATRIC. HR. SEC. SCHOOL

Second Mid Term Exam – November 2024

SCIENCE

Time : 1.30Hours

Marks: 50

Std: VI

Reg.No.:

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I. Choose the correct answers.

[10×1 = 10]

- The unit of heat is
 - newton
 - joule
 - volt
 - Celsius
- When an object is heated, the molecules that make up the object.
 - begin to move faster
 - lose energy
 - become heavier
 - become lighter
- The device which converts chemical energy into electrical energy is
 - fan
 - solar cell
 - cell
 - television
- Electricity is produced in
 - transformer
 - power station
 - electric wire
 - television
- _____ is a good conductor.
 - silver
 - wood
 - rubber
 - plastic
- Most organelles in an eukaryotic cell is _____.
 - cell wall
 - cytoplasm
 - nucleus
 - vacuole
- Which one of the following is not an unicellular organism?
 - Yeast
 - Amoeba
 - Spirogyra
 - Bacteria
- The 'Control Centre' of the eukaryotic cell is _____.
 - Cell wall
 - Nucleus
 - Vacuoles
 - Chloroplast
- Under the microscope Priya observes a cell that has a cell wall and distinct nucleus. The cell that she observes is _____.
 - a plant cell
 - an animal cell
 - a nerve cell
 - a bacterial cell
- The unit of measurement used for expressing dimension (size) of cell is _____.
 - centimeter
 - millimeter
 - micrometer
 - meter

II. Fill in the blanks.

[5 × 1 = 5]

- The hotness of the object is determined by its _____.
- The SI unit of temperature is _____.
- _____ is the device used to close open an electric circuit.
- The egg of an Ostrich is the _____ single cell.
- The Term " cell" was coined by _____.

III. True or False. If false, give the correct answer.

[5 × 1 = 5]

- Steam is formed when heat is released from water.
- Thermal expansion is always a nuisance.
- In a parallel circuit, the electricity has more than one path.
- Nerve cell is the longest cell.
- New cells are produced from the existing cells.

IV. Match the following.

[5 × 1 = 5]

- | | | |
|---------------------------------|---|--------------|
| 21) Heat | - | 100°C |
| 22) Boiling Water | - | 0°C |
| 23) Ice Cube | - | joule |
| 24) Food producer (plant cell) | - | Mitochondria |
| 25) Energy producer | - | Chloroplasts |

V. Analogy.**[3 × 1 = 3]**

26) Heat	: Joule	:: Temperature	:	_____.
27) ice cube	: 00C	:: Boiling water	:	_____.
28) Prokaryote	: Bacteria	:: Eukaryote	:	_____.

VI. Circle the odd one out. Give reason for your choice.**[1 × 2 = 2]**

29)	A Cell	A Device	Electrical Energy	Is Called	In to
	Chemical Energy	That Converts			

VII. Give Short answer. (Any Five)**[5 × 2 = 10]**

- 30) Silver is a good conductor but it is not preferred for making electric wires. Why?
 32) What type of changes is associated with the germination of a seed? Explain.
 33) What is the temperature?
 34) Make a list of electrical equipment's at home which we get heat from.
 35) What are the essential component of a cell?
 36) Distinguish between prokaryotic and Eukaryotic cells.(Any Two)

VIII. Long Answer type question.**[2 × 5 = 10]**

- 37) a) Explain thermal expansion with suitable examples.
 (OR)
 b) What is the source of electricity? Explain the various power stations in India?
- 38) a) Tabulate any five cell organelles and their function.
 (OR)
 b) Draw a neat labelled diagram of a prokaryotic cell.