

HSL SECOND TERM SUMMATIVE ASSESSMENT - 2025**7** - Std**SCIENCE**

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Time : 2.00 Hrs

Marks : 60

I Choose the correct answer.

6 X 1 = 6

- The body temperature of a health man is
a) 0°C b) 37°C c) 98°C d) 100°C
- Small amounts of electrical current are measure in milli ampere (mA). How many milli ampere are there in 0.25A?
a) 2.5 mA b) 25mA c) 250mA d) 2500 mA
- is not a chemical change.
a) dissolution of ammonia in water
b) Dissolution of carbon - di - oxide in water
c) Dissolution of oxygen in water d) Melting of polar ice caps
- Basis unit of life
a) Cell b) Protoplasm c) Cellulose d) Nucleus
- Which part of the cell is called the brain of the cell?
a) Lysosome b) Ribosome c) Mitochondria d) Nucleus
- Who proposed the five kingdom of classification?
a) Aristotle b) Linnaeus c) Whittaker d) Plato

II Fill in the blanks.

6 X 1 = 6

- Heat energy transfer from to
- SI unit of electrical conductivity of a conductor is
- Spoiling of food is a change.
- Cytoplasm plus nucleoplasm is equal to
- The binomial name of onion is
- Carolus Linnaeus is known as the father of

III Match the following.

5 X 1 = 5

- | | | |
|--------------------------------------|---|------------------|
| 13. i) Clinical thermometer | - | A form of energy |
| ii) Normal temperature of human body | - | 100°C |
| iii) Heat | - | 37°C |
| iv) Boiling point of water | - | 0°C |
| v) Melting point of water | - | Kink |

IV True or false - if false give the correct answer.

5 X 1 = 5

- Electron flow is in the same direction to conventional current flow.
- The representation of the electric current is A.
- Taking a glass of water and freezing it by placing it in the freezer is a chemical change.
- Tarnishing of silver is an example of endothermic change.
- Animal cells have cell wall.

V Analogy :

2 X 2 = 4

19. a) Length : metre scale : : current :
 b) Copper : Conductor : : Wood :
 20. a) Wood to saw dust : : : Wood to Ash : Chemical change
 b) Forest fire : change : : change in period in a school : periodic change.

VI Assertion - Reason type question.

2 x 2 = 4

21. **Assertion :** The process of conversion of liquid water to its vapours by heating the liquid is called boiling.

Reason : The process of conversion of water vapour to liquid by cooling the vapour is called condensation.

- 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.
 22. **Assertion (A) :** Tissue is a group of dissimilar cells.
Reason (R) : Muscle is made up of Muscle cell.
 a) Both A and R are true b) Both A and R are false.
 c) A is true but R is false. d) A is false but R is true

VII Numerical problems.

2 x 2 = 4

23. How much will the temperature of 68°F be in Celsius and Kelvin?
 24. If 30 coulomb of electric charge flow through a wire in 10 minutes, calculate the current in the wire?

VIII Give very short answer. (Write any 8).

8 X 2 = 16

25. A clinical thermometer is not used to measure the temperature of air. Why?
 26. What is the use of kink in clinical thermometer?
 27. Name some devices that run using heat effect of electric current.
 28. Differentiate parallel and serial circuits.
 29. Cold milk is heated and it becomes hot. Which type of change it is?
 30. Is solar eclipse a periodic change? Give your reason.
 31. What are the functions of cell wall in plant cell?
 32. Write a short note on nucleus.
 33. Write two examples of Monera.
 34. Write any two merits of five kingdom classification.
 35. What is the use of Text tool?
 36. What is classification?
 37. What is Binomial nomenclature?

IX Give answer in detail. (Write any 2).

2 X 5 = 10

38. State the similarities and differences between the laboratory thermometer and the clinical thermometer.
 39. Explain the heating effect of electric current.
 40. Write about any three organelles in detail.
 41. Explain about five kingdom classification.