

T SECOND TERM SUMMATIVE EXAM - 2024

Standard - VI

Time : 2.00 hrs

SCIENCE

Marks: 60

I. Choose the appropriate answer:-

10×1=10

- 1) When an object is heated, the molecules that makeup the object
 - a) begin to move faster
 - b) lose energy
 - c) become heavier
 - d) become lighter
- 2) The unit of heat is _____
 - a) newton
 - b) joule
 - c) volt
 - d) celsius
- 3) _____ is a good conductor
 - a) silver
 - b) wood
 - c) rubber
 - d) plastic
- 4) Electricity is produced in
 - a) transformer
 - b) power station
 - c) electric wire
 - d) television
- 5) Formation of curd from milk is
 - a) a reversibel change
 - b) a fast change
 - c) an irreversible change
 - d) an undesirable change
- 6) Gas exchange takes place in plants using _____
 - a) Stomata
 - b) Chlorophyll
 - c) Leaves
 - d) Flowers
- 7) The 'control centre' of the eukaryotic cell is
 - a) Cell wall
 - b) Nucleus
 - c) Vacuoles
 - d) Chloroplast
- 8) Most organelles in an eukaryotic cell is found in the
 - a) Cell wall
 - b) Cytoplasm
 - c) nucleus
 - d) Vacuole
- 9) Main organ of respiration in human body is
 - a) Stomach
 - b) Spleen
 - c) Heart
 - d) Lungs
- 10) _____ helps to enter data
 - a) keyboard
 - b) mouse
 - c) Microphone
 - d) light pen


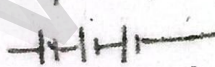

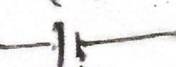

II. Fill in the blanks:-

5×1=5

- 11) Two bodies are said to be in the state of thermal _____ if there is no transfer of heat taking place.
- 12) Bursting of fire crackers is a change whereas germination of seeds is a change. (slow/fast)
- 13) _____ gas is given to the patients having breathing problems.
- 14) The Term "Cell" was coined by _____
- 15) The part of the skeleton that protects the brain is _____

5×1=5

III. Match the following:-

- | Symbol | - | Description |
|-----------------------------------------------------------------------------------------|---|--------------------|
| 16)  | - | open key |
| 17)  | - | cell |
| 18)  | - | bulb glows |
| 19)  | - | battery |
| 20)  | - | bulb does not glow |

T**(2)****VI SCIENCE****10×2=20****IV. Answer any ten of the following:-**

- 21) Distinguish between heat and temperature.
- 22) Give the Analogy:
 a) Heat : Joule :: Temperature : _____
 b) ice cube : 0°C :: Boiling water : _____
- 23) Draw the circuit diagram for series connection.
- 24) What happens when paper is burnt? Explain.
- 25) Circle the odd one out. Give reason for your choice.
 a) Growth of a child, Blinking of eye, Rusting, Germination of a seed
 b) Glowing of a bulb, lighting of a candle, breaking of a coffee mug, curdling of milk.
- 26) True or False. If false, give the correct statement
 a) Inhaled air contains a large amount of carbon-di-oxide
 b) Planting trees help in decreasing global warming.
- 27) What is atmosphere? Name the five layers of atmosphere.
- 28) a) What are the essential components of a cell?
 b) What are the organelles found only in plant cell?
- 29) Distinguish between prokaryotic and eukaryotic cells
- 30) Define epiglottis.
- 31) Name the five important sense organs.
- 32) Write the parts of a Computer.

V. Answer the following:-**4×5=20**

- 33) A) Explain thermal expansion with suitable examples. [or]
 B) Write short notes on conductors and insulators.
- 34) A) 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
 e) Desirable and undesirable change [or]
- B) Why is atmosphere essential for life on earth?
- 35) A) Tabulate any five cell organelles and their function. [or]
 B) Draw a neat labelled diagram of a prokaryotic cell.
- 36) A) List out the functions of Endocrine system and Nervous system. [or]
 B) a) List out the functions of the human skeleton.
 b) Differentiate between the voluntary muscles and involuntary muscles.
