

VNR6S

Virudhunagar District
Summative Assessment - December 2024

Standard 6
SCIENCE

Marks: 60

Time: 2.00 Hrs.

5×1=5**I. Choose the appropriate answer:**

- 1) When an object is heated, the molecules that make up the object?
 - a) begin to move faster
 - b) lose energy
 - c) become heavier
 - d) become lighter
- 2) Choose the symbol for battery.
 - a)
 - b)
 - c)
 - d)
- 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 Constituent of air that supports combustion is _____.
 - a) Nitrogen
 - b) Carbon-di-oxide
 - c) Oxygen
 - d) Water vapour
- 5) The control centre of the eukaryotic cell is
 - a) Cellwall
 - b) Nucleus
 - c) Vacuoles
 - d) Chloroplast

5×1=5**II. Fill in the blanks:**

- 6) The SI unit of temperature is _____.
- 7) _____ gas turns lime water milky.
- 8) "The Term Cell" was coined by _____.
- 9) The part of the skeleton that protects the brain is _____.
- 10) Pin drive is _____ device.

5×1=5**III. Match the following:**

- | | | |
|-------------------------|---|----------------|
| 11) Thermal Equilibrium | - | Ozone layer |
| 12) Stratosphere | - | Sound |
| 13) Energy producer | - | Cardiac muscle |
| 14) Ear | - | Mitochondria |
| 15) Heart | - | No heat flow |

5×1=5**IV. Analogy:**

- 16) Total Kinetic Energy of molecules : Heat
Average Kinetic Energy : _____
- 17) Curding of milk : irreversible change
Formation of clouds : _____ change
- 18) 78% of air : Does not support combustion
_____ : Supports combustion
- 19) Spirogyra : Plant cell
Amoeba : _____
- 20) Lungs : Respiratory system
_____ : Circulatory system

VNR6S

2

5×1=5

V. True or False. If false give the correct answer:

- 21) Borosilicate glass do not expand much on being heated.
- 22) In a parallel circuit, the electricity has more than one path.
- 23) Growing of teeth in an infant is slow change.
- 24) Planting trees help in decreasing global warming.
- 25) The organelles of both plants and animals are made up of cells.

VI. Give short answer: [any ten only]

10×2=20

- 26) Make a list of electrical equipments at home which we get heat from.
- 27) Distinguish between heat and temperature.
- 28) Draw the circuit diagram for series connection.
- 29) Silver is good conductor but it is not preferred for making electric wires. Why?
- 30) Define a slow change.
- 31) Can deforestation be considered a desirable change? Explain.
- 32) What is atmosphere? Name the five layers of atmosphere.
- 33) What will happen if you breath through mouth?
- 34) What will happen if we remove plants from the aquarium?
- 35) Draw a plant cell and label any four parts.
- 36) What are the essential components of a cell?
- 37) What are the three types of blood vessels?
- 38) Name the five important sense organs.
- 39) List out the functions of the human skeleton.
- 40) Name the parts of a computer.

VII. Answer in detail: (any three only)

3×5=15

- 41) Explain the thermal expansion with suitable examples.
- 42) Write short notes on Conductors and Insulators.
- 43) Give one example in each case that happens around you.
 - a) Slow and Fast change
 - b) Reversible and Irreversible change
 - c) Physical and Chemical change
 - d) Natural and Manmade change
 - e) Desirable and Undesirable change
- 44) Why is atmosphere essential for life of earth?
- 45) Draw a neat labelled diagram of Prokaryotic cell.
- 46) List out the functions of Endocrine system and Nervous system.