

V6S

Virudhunagar District  
Common Second Mid Term Test - 2024

-----

## Standard 6

### SCIENCE

Time: 1.30 Hrs.

Marks: 30

#### I. Choose the correct answer:

4×1=4

- 1) The unit of heat is \_\_\_\_\_.  
a) newton                      b) joule                      c) volt                      d) celsius
- 2) The device which converts chemical energy into electrical energy is  
a) fan                      b) solar cell                      c) cell                      d) television
- 3) Air pollution leading to Acid rain is a  
a) reversible change                      b) fast change  
c) natural change                      d) human made change
- 4) The unit of measurement used for expressing dimension of the cell is  
\_\_\_\_\_.  
a) centimeter                      b) millimeter                      c) micrometer                      d) meter

#### II. Fill in the blanks with correct answer:

2×1=2

- 5) Solids \_\_\_\_\_ on heating and \_\_\_\_\_ on cooling.
- 6) Changes that are harmful to us are \_\_\_\_\_ (desirable / undesirable).

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

2×1=2

- 7) The switch is used to close or open an electric circuit.
- 8) A cell is the smallest unit of life.

#### IV. Analogy:

2×1=2

- 9) Ice cube : 0°C  
Boiling water : \_\_\_\_\_
- 10) Burning of match stick : \_\_\_\_\_ change  
Rotation of the Earth : Slow change

#### V. Answer any five questions: [Question No. 18 is compulsory]

5×2=10

- 11) What is Thermal Expansion?
- 12) Can the cell used in the clock gives us an electric shock? Justify your answer.
- 13) Define a slow change.
- 14) What is a solution?
- 15) What happen when paper is burnt? Explain.
- 16) Why cells are called building blocks of life?
- 17) Identify any four parts of the plant cell.
- 18) Draw the circuit diagram for series connection.

#### VI. Answer any two questions only:

2×5=10

- 19) Explain the thermal expansion with suitable examples.
  - 20) Write short notes on Conductors and Insulators.
  - 21) 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 Man made change  
e) Desirable and Undesirable change
  - 22) Draw a neat labelled diagram of a Prokaryotic cell.
-