

**Standard 7****SCIENCE**

Time: 1.30 Hrs.

Marks: 30

**I. Choose the correct answer:****4x1=4**

- 1) The body temperature of a healthy man is
  - a) 0°C
  - b) 37°C
  - c) 98°C
  - d) 100°C
- 2) Small amounts of electrical current are measured in milliampere (mA). How many milliampere are there in 0.25A?
  - a) 2.5 mA
  - b) 25 mA
  - c) 250 mA
  - d) 2500 mA
- 3) \_\_\_\_\_ is an example of a periodic change.
  - a) Earthquake
  - b) Formation of rainbow in sky
  - c) Occurrence of tides in seas
  - d) Showering of rain
- 4) I am the outer most layer of an animal cell. Who am I?
  - a) Cellwall
  - b) Nucleus
  - c) Cell membrane
  - d) Nuclear membrane

**II. Fill in the blanks:****2x1=2**

- 5) At room temperature Mercury is in \_\_\_\_\_.
- 6) Spoiling of food is a \_\_\_\_\_ change.

**III. True or False. If false, give the correct answer:****2x1=2**

- 7) Only plant cells have chloroplasts.
- 8) Cutting of cloth is an example of periodic change.

**IV. Analogy:****2x1=2**

- 9) Water : Pipe :: Electric current : \_\_\_\_\_.
- 10) Physical change : Boiling :: Chemical change : \_\_\_\_\_.

**V. Answer any five questions:****5x2=10**

- 11) What is the use of kink in clinical thermometer?
- 12) The body temperature of Srinath is 99°F. Is he suffering from fever? If so, why?
- 13) Name few insulators.
- 14) Define electrical conductivity.
- 15) State two examples of periodic changes.
- 16) Distinguish physical and chemical changes.
- 17) **Match the following:**
  - i) Boiling point of water - Nucleus
  - ii) Fuse - Ice cube to water
  - iii) Melting - 100°C
  - iv) Control room - Safety device used in electric circuit
- 18) Why the cell is very important for us?

**VI. Answer any two questions:****2x5=10**

- 19) Draw the diagram of a clinical thermometer and label its parts.
- 20) Explain the following statement: Digestion is a chemical change
- 21) Distinguish between the following pairs:
  - i) Cellwall and Cell membrane
  - ii) Chloroplast and Mitochondira