



Standard 6

SCIENCE

Time: 1.30 hour

Marks: 30

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

- 1) The unit of heat is _____.
a) newton b) joule c) volt d) celcius
- 2) _____ is a good conductor.
a) Silver b) Wood c) Rubber d) Plastic
- 3) When ice melts to form water, change occurs in its
a) position b) colour c) physical state d) composition
- 4) Gas exchange takes place in plants using _____.
a) Stomata b) Chlorophyll c) Leaves d) Flowers
- 5) The unit of measurement used for expressing dimension of cell is _____.
a) Centimeter b) Millimeter c) Micrometer d) Meter

II. Fill in the blanks:**2×1=2**

- 6) The hotness of the object is determined by its _____.
- 7) The term "cell" was coined by _____.

III. True or False, If false give the correct answer:**3×1=3**

- 8) Growing of teeth in an infant is slow change.
- 9) Whales comes up to the water surface to breathe in oxygen.
- 10) Nerve cell is the largest cell.

IV. Match the following:**5×1=5**

- | | | |
|---------------------|---|--------------|
| 11) Ice cube | - | Combustion |
| 12) Boiling water | - | Nucleus |
| 13) Oxygen | - | 0°C |
| 14) Control center | - | Mitochondria |
| 15) Energy produces | - | 100°C |

V. Answer any 5 questions:**5×2=10**

- 16) What is temperature?
- 17) **Circle the odd one out. Give reason for your choice:**
Switch, Bulb, Battery, Generator
- 18) What is solution?
- 19) What kind of change is associated with decaying of a plants?
- 20) What are the essential components of a cell?
- 21) **Analogy:**
 - i) Photosynthesis : _____ :: Respiration : Oxygen
 - ii) Spirogyra : Plant cell :: Amoeba : _____
- 22) Give any three examples of eukaryotic cell.

VI. Answer in detail:**1×5=5**

- 23) a) Distinguish between heat and temperature.

(OR)

- b) Draw a neat labelled diagram of a Prokaryotic cell.