

**Standard 6**

Time: 2.00 Hours

SCIENCE

Marks: 60

I. Choose the best answer**5x1=5**

- 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) is a good conductor
 - a) silver
 - b) wood
 - c) rubber
 - d) plastic
- 3) is the percentage of nitrogen in air
 - a) 78%
 - b) 21%
 - c) 0.03%
 - d) 1%
- 4) Most organelles in an eukaryotic cell is found in the
 - a) cell wall
 - b) cytoplasm
 - c) nucleus
 - d) vacuole
- 5) Main organ of respiration in human body is
 - a) Stomach
 - b) spleen
 - c) Heart
 - d) Lungs

II. Fill in the blanks**5x1=5**

- 6) The SI unit of temperature is
- 7) is the device used to close or open an electric circuit
- 8) The gas given out during photosynthesis is
- 9) I take part in food production of a cell who am I?
- 10) The part of the skeleton that protects the brain is

III. True or False. If False, give the correct statement.**5x1=5**

- 11) Secondary cell can be used only once.
- 12) Growing of teeth in an infant is slow change
- 13) Planting trees help in decreasing global warming
- 14) The organelles of both plants and animals are made up of cells
- 15) The brain, the spinal cord and nerves form the nervous system.

IV. Analogy**5x1=5**

- 16) Heat : Joule : : Temperature :
- 17) Dissolution of glucose : reversible change : : Digestion of food : change
- 18) Photosynthesis : : : Respiration : Oxygen
- 19) Spirogyra : Plant cell : : Amoeba :
- 20) Lungs : Respiratory system : : : circulatory system.

V6S

V. Match the following:

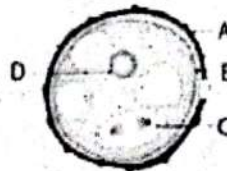
5x1=5

- | | |
|----------------------|------------------|
| 21) a) Boiling water | - Cardiac muscle |
| b) Carbondioxide | - Input device |
| c) Energy producer | - Photosynthesis |
| d) Heart | - 100°C |
| e) Keyboard | - Mitochondria |

V. Answer any 10 questions.

10x2=20

- 22) Make a list of electrical equipments at home which we get heat from?
- 23) What is temperature?
- 24) Draw the circuit diagram for series connection?
- 25) What type of circuit is there in a torch light?
- 26) What kind of a change is associated with decay of a plants?
- 27) What is a solution?
- 28) What is atmosphere? Name the five layers of atmosphere?
- 29) Give any three examples of eukaryotic cell?
- 30) Identify any four parts of the plant cell?



31) Arrange in a correct sequence

- i) Elephant, Cow, Bacteria, Mango, Rose, Plant
 - ii) Hen's egg, Ostrich's egg, Insect's egg.
- 32) What are the three types of blood vessels?
 - 33) Name the five important sense organs?
 - 34) Arrange the following sequence?
 - i) Stomach → Large intestine → oesophagus → pharynx → Mouth → Small intestine → Rectum → Anus
 - ii) Urethra → Ureter → Urinary Bladder → Kidney
 - 35) Name the parts of a computer?

VII. Write in Detail:

3x5=15

- 36) What is the source of electricity? Explain the various power stations in India?
- 37) Give one examples 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
- 38) Why is atmosphere essential for life on earth?
- 39) Draw a neat labelled diagram of a prokaryotic cell?
- 40) List out the function of human skeleton?