



## Standard 6 SCIENCE

Time: 2.00 Hrs.

Marks: 60

**I. Choose the correct answer:****10×1=10**

- 1) The unit of heat is  
a) newton                      b) joule                      c) volt                      d) celsius
- 2) Electricity is produced in  
a) transformer              b) power station              c) electric wire              d) television
- 3) \_\_\_\_\_ is a good conductor.  
a) Silver                      b) Wood                      c) Rubber                      d) Plastic
- 4) When ice melts to form water, change occurs in its  
a) Position                      b) Colour                      c) Physical state              d) Composition
- 5) Formation of curd from milk is \_\_\_\_\_.  
a) a reversible change                      b) a fast change  
c) an irreversible change                      d) an undesirable change
- 6) \_\_\_\_\_ is the percentage of nitrogen in air.  
a) 78%                      b) 21%                      c) 0.03%                      d) 1%
- 7) Which one of the following is not an unicellular organism?  
a) Yeast                      b) Amoeba                      c) Spirogyra                      d) Bacteria
- 8) Main organ of respiration in human body is  
a) stomach                      b) spleen                      c) heart                      d) lungs
- 9) Which one of the following is an input device?  
a) Speaker                      b) Keyboard                      c) Monitor                      d) Printer
- 10) Pen drive is \_\_\_\_\_ device.  
a) output                      b) input                      c) storage                      d) connecting cable

**II. Fill in the blanks:****5×1=5**

- 11) The SI unit of temperature is \_\_\_\_\_.
- 12) Flow of electricity through a closed circuit is \_\_\_\_\_.
- 13) \_\_\_\_\_ gas turns lime water milky.
- 14) I take part in food production of a cell. Who am I? \_\_\_\_\_.
- 15) The part of the skeleton that protects the brain is \_\_\_\_\_.

**III. Match the following:****5×1=5**

- |                     |   |                |
|---------------------|---|----------------|
| 16) Temperature     | - | Combustion     |
| 17) Oxygen          | - | Flat muscle    |
| 18) Carbon-di-oxide | - | Kelvin         |
| 19) Energy producer | - | Photosynthesis |
| 20) Diaphragm       | - | Mitochondria   |

**IV. Answer any 10 questions:****10×2=20**

- 21) What is temperature?
- 22) Distinguish between heat and temperature.

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23) **Circle the odd one out. Give reason for your choice:**

Switch, Bulb, Battery, Generator

24) Silver is a good conductor but it is not preferred for making electric wires. Why?

25) **Circle the odd one out. Give reason for your choice:**

a) Growth of a child, Blinking of eye, Rusting, Germination of a seed.

b) Inflating a balloon, Popping a balloon, Fading of wall paint, Burning of Kerosene.

26) What type of changes is associated with germination of a seed? Explain.

27) **Analogy:**

a) Photosynthesis : \_\_\_\_\_ :: Respiration : Oxygen

b) 78% of air : Does not support combustion :: \_\_\_\_\_ : Supports combustion

28) What is atmosphere? Name the five layers of atmosphere.

29) **Arrange in a correct sequence:**

i) Elephant, Cow, Bacteria, Mango, Rose plant

ii) Hen's egg, Ostrich's egg, Insects egg

30) Distinguish between Prokaryotic and Eukaryotic cell.

31) Name of the five important sense organs.

32) Name the parts of a computer.

**III. Answer any 4 questions:**

**4×5=20**

33) Explain thermal expansion with suitable examples.

34) Write short notes on conductors and insulators.

35) Give one example 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

36) Why is atmosphere essential for life on earth?

37) Tabulate any five cell organelles and their function.

38) List out the functions of endocrine system and nervous system.

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