

## SECOND MID TERM TEST - 2023

### SCIENCE

**8** - Std

Time: 1.15 Hrs.

Marks: \_\_\_\_\_

**I. Choose the correct answer:**

**10×1=10**

- 1) The electrification of two different bodies on rubbing is because of the transfer of  
a) neutrons                      b) protons      c) electrons      d) protons and neutrons
- 2) Fuse is \_\_\_\_\_.  
a) a switch                      b) a wire with low resistance  
c) a wire with high resistance      d) a protective device for breaking an electric circuit
- 3) Sound waves travel very fast in \_\_\_\_\_.  
a) air                      b) metals                      c) vacuum      d) liquids
- 4) The range of audible frequency for the human ear is \_\_\_\_\_. a) 2 Hz to 2000 Hz  
b) 20 Hz to 2000 Hz      c) 20 Hz to 20000 Hz      d) 200 Hz to 20000 Hz
- 5) Cathode rays are made up of \_\_\_\_\_.  
a) neutral particles  
b) positively charged particles      c) negatively charged particles      d) None of the above
- 6) In water hydrogen and oxygen are combined in the ratio of \_\_\_\_\_ by mass.  
a) 1:8                      b) 8:1                      c) 2:3                      d) 1:3
- 7) Water changes to ice at \_\_\_\_\_.  
a) 0°C                      b) 100°C                      c) 102°C      d) 98°C
- 8) Which of the following is a water pollutant?  
a) Lead                      b) Alum                      c) Oxygen      d) Chlorine
- 9) \_\_\_\_\_ joints are immovable.  
a) Shoulder and Arm  
b) Knee and Joint      c) Upper Jaw and Skull      d) Lower and Upper Jaw
- 10) Cockroach moves with the help of its \_\_\_\_\_.  
a) leg                      b) bone                      c) muscular foot      d) whole body

**II. A] Fill in the blanks:**

**5×1=5**

- 11) A structure which provides rigid frame work to the body is called \_\_\_\_\_.
- 12) The boiling point of water is \_\_\_\_\_.
- 13) \_\_\_\_\_ is the smallest particle of an element.
- 14) Sound travels in the form of \_\_\_\_\_.
- 15) The body which has lost electrons becomes \_\_\_\_\_.

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**B] State true or false. If false correct the statement:****5×1=5**

- 16) Water can conduct electricity.
- 17) In parallel circuit, current remains the same in all components.
- 18) Sea water is suitable for irrigation as it contains dissolved salts.
- 19) Soap lathers well in hard water.
- 20) Cardiac muscle is a voluntary muscle.

**III. Match the following:****6×1=6**

- |                                 |   |                              |
|---------------------------------|---|------------------------------|
| 21) Law of conservation of mass | - | Sir William Crookes          |
| 22) Law of constant proportion  | - | James Chadwick               |
| 23) Cathode rays                | - | Joseph Proust                |
| 24) Anode rays                  | - | Lavoisier                    |
| 25) Neutrons                    | - | Frequency more than 20000 Hz |
| 26) Ultrasonics                 | - | Goldstein                    |

**IV. Answer any seven for the followings:****7×2=14**

- 27) What is electroplating?
- 28) What is an ultrasonic sound?
- 29) Mention few measures to be taken to reduce the effect of noise pollution.
- 30) Write the names of the following compounds.  
(a) CO                      (b) N<sub>2</sub>O                      (c) NO<sub>2</sub>                      (d) PCl<sub>5</sub>
- 31) What is a chemical equation?
- 32) What are the methods of removing hardness of water?
- 33) Give reasons for the followings:  
a) Water is a Universal solvent.    b) Ice floats on water.
- 34) What is skeleton?
- 35) Differentiate movement and locomotion.
- 36) Give some uses of electroplating.

**V. Answer any two of the following questions in detail:****2×5=10**

- 37) Discuss various types of movements seen in living organism.
- 38) Explain the different ways by which water gets polluted.
- 39) What steps should be taken to reduce the effect of noise pollution?
- 40) Write the skeleton equation for the following equation.  
a) Carbon + Oxygen → Carbon dioxide  
b) Phosphorus + Chlorine → Phosphorus Penta Chloride  
c) Sulphur + Oxygen → Sulphur dioxide  
d) Magnesium + Hydrogen chloride → Magnesium chloride + Hydrogen

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