

**SECOND MID TERM TEST - 2024****Standard - VIII****Time : 1.30 hrs****SCIENCE****Marks: 50****I. Choose the correct answer:-****5×1=5**

- 1) 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
- 2) Sound waves travel very fast in \_\_\_\_\_
  - a) air
  - b) metals
  - c) vacuum
  - d) liquids
- 3) 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
- 4) Cockroach moves with the help of its \_\_\_\_\_
  - a) leg
  - b) bone
  - c) muscular foot
  - d) whole body
- 5) What happens when large number of electrons combine together in clouds.
  - a) cyclone
  - b) Lightning
  - c) earthquake
  - d) rain

**II. Fill in the given blanks:-****5×1=5**

- 6) The body which has lost electrons becomes \_\_\_\_\_
- 7) Sound travels in the form of \_\_\_\_\_
- 8) \_\_\_\_\_ is the smallest particle of an element
- 9) The place where two bones meet is termed as \_\_\_\_\_
- 10) The hardest working muscle is in \_\_\_\_\_

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

- |                            |   |                              |
|----------------------------|---|------------------------------|
| 11) Two similar charges    | - | Frequency more than 20,000Hz |
| 12) Two dissimilar charges | - | 330 ms <sup>-1</sup>         |
| 13) Ultra sonics           | - | attract each other           |
| 14) Infra sonics           | - | repel each other             |
| 15) Speed of sound in air  | - | Frequency below 20Hz         |

**IV. Answer briefly: (any 10)****10×2=20**

- 16) What is earthing?
- 17) Give some uses of electroplating.

(2)

## VIII SCIENCE

- 18) One should not use an umbrella while crossing an open field during thunder storm - why?
- 19) What are the hazards of noise pollution? (any 2 points)
- 20) Give an example to show that light travels faster than sound?
- 21) A sound has a frequency of 50Hz and a wavelength of 10m. What is the speed of the sound?
- 22) State the law of conservation of mass?
- 23) What is a chemical equation?
- 24) Write the chemical formula for the following compounds?  
 a) Aluminium Sulphate                      b) Magnesium oxide
- 25) State whether the following is true or false. If false, correct the statement  
 a) Skull in human consists of 22 bones.  
 b) Cardiac muscle is a voluntary muscle.
- 26) What is Cranium?
- 27) How is arthritis caused in humans?

**V. Answer in detail:****3×5=15**

- 28) What is electroscopes? Explain how it works? **[or]**  
 What steps should be taken to reduce the effect of noise pollution.
- 29) Write the skeleton equation for the following word equation and then balance them.  
 a) Carbon + Oxygen → Carbon dioxide  
 b) Phosphorus + Chlorine → Phosphorus Penta chloride  
 c) Sulphur + Oxygen → Sulphur dioxide  
 d) Magnesium + hydrogen chloride → Magnesium chloride + Hydrogen

**[or]**

Balance the following chemical equation:

- a)  $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$                       b)  $\text{Ca} + \text{N}_2 \rightarrow \text{Ca}_3\text{N}_2$   
 c)  $\text{N}_2 + \text{H}_2 \rightarrow \text{NH}_3$                       d)  $\text{CaCO}_3 + \text{HCl} \rightarrow \text{CaCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$
- 30) What are the functions of skeleton in human body? **[or]**  
 Name the different types of joints? Give one example for each type.

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