

SECOND MID TERM TEST - 2023**STD - VIII****SCIENCE****MARKS : 50****TIME : 1.30 Hrs****10 x 1 = 10****I. Choose the best Answer.**

- The electrification of two different bodies on rubbing is because of the transfer of
a) neutrons b) protons c) electrons d) protons and neutrons
- Fuse is
a) a switch b) a wire with low resistance
c) a protective device for breaking an electric circuit
- Sound waves travel very fast in
a) air b) metals c) vacuum d) liquids
- Find the odd one out
a) Harmonium b) Flute c) Nadaswaram d) Violin
- The range of audible frequency for the human ear is
a) 2 Hz to 2000 Hz b) 20Hz to 2000 Hz c) 20 Hz to 20,000 Hz d) 20 Hz to 200 Hz
- Cathode rays are made up of
a) neutral particles b) positively charged particles
c) negatively charged particles d) none of the above
- 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
- Which one of the following organisms lack muscles and skeleton for movement?
a) Dog b) Snail c) Earthworm d) Humanbeing
- External ear (pinna) is supported by
a) bone b) cartilage c) tendon d) capsule
- Which one of the following categories of vertebrae are correctly numbered?
a) Cervical - 7 b) Thoracic - 10 c) Lumbar - 4 d) Sacral - 4

II. Fill in the blanks**5 x 1 = 5**

- Three bulbs are connected end to end from the battery. This connection is called
- Sound is produced by
- is the smallest particle of an element.
- The place where two bones meet is termed as
- muscle makes pupil of eyes wider.

III. Answer any 10 questions**10 x 2 = 20**

- What is earthing?
- What is electroplating?
- Give reason ; One should not use an umbrella while crossing an open field during thunder storm.
- What is an ultrasonic sound?
- Give two difference between music and noise.
- State the law of conservation of mass?
- Write the properties of anode rays?
- Write the names of the following compounds. a) N_2O b) Pcl_5

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24. Match the following :

- | | | |
|-------------------------------|---|---------------------|
| a) Law of constant proportion | - | James Chadwick |
| b) Cathode rays | - | Joseph Proust |
| c) Anode rays | - | Sir William Crookes |
| d) Neutrons | - | Gold stein |

25. What is skeleton?

26. Why out backbone is slightly moveable?

27. Differentiate : Movement and Locomotion

28. How is the skeleton of a bird well-suited for flying?

29. State True or false. If false, correct the statement.

- | | |
|---|--|
| a) Cardiac muscle is a voluntary muscle | b) Hinge joint is slightly movable joint |
|---|--|

IV. Answer in detail

3 x 5 = 15

30. (i) Explain series and parallel circuit. (OR)

(ii) Describe an experiment to show that sound cannot travel through vacuum.

31. (i) Write the chemical formula for the following compounds.

- | | | | |
|-----------------------|--------------------|-------------------|--------------------|
| a) Aluminium sulphate | b) Barium Chloride | c) Silver Nitrate | d) Magnesium Oxide |
| e) Carbon monoxide | (OR) | | |

(ii) Balance the following chemical equations.

- | | |
|---|--|
| a) $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$ | b) $\text{Ca} + \text{M}_2 \rightarrow \text{Ca}_3\text{N}_2$ |
| c) $\text{M}_2 + \text{H}_2 \rightarrow \text{MH}_3$ | d) $\text{CaCO}_3 + \text{HCl} \rightarrow \text{CaCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$ |
| e) $\text{Pb}(\text{NO}_3)_2 \rightarrow \text{PbO} + \text{NO}_2 + \text{O}_2$ | |

32. (i) Name the different types of joints. Give one example for each type. (OR)

(ii) Discuss various types of movements seen in living organisms.