

# SECOND MID TERM TEST - 2024

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Standard VIII

Reg.No.

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SCIENCE

*[Signature]*

25/2/25

Marks : 50

10 x 1 = 10

Time : 1.30 hrs

## I. Choose the correct answer:

- Fuse is
  - a switch
  - a wire with low resistance
  - a wire with high resistance
  - a protective device for breaking an electric circuit
- Which of the following a simple circuit must have?
  - Energy Source, Battery, Load
  - Energy source, Wire, Load
  - Energy source, Wire, Switch
  - Battery, Wire, Switch
- The range of audible frequency for the human ear is
  - 2 Hz to 2000 Hz
  - 20 Hz to 2000 Hz
  - 20 Hz to 20000 Hz
  - 200 Hz to 20000 Hz
- Sound waves travel very fast in
  - air
  - metal
  - vacuum
  - liquids
- In water hydrogen and oxygen are combined in the ratio of \_\_\_\_\_ by mass
  - 1 : 8
  - 8 : 1
  - 2 : 3
  - 1 : 3
- Cathode rays are made up of
  - Neutral particles
  - Positively charged particles
  - Negatively charged particles
  - None of the above
- Which of the following is a water pollutant?
  - Lead
  - Alum
  - Oxygen
  - Chlorine
- Which one of the following categories of vertebrae are correctly numbered?
  - Cervical - 7
  - Thoracic - 10
  - Lumbar - 4
  - Sacral - 4
- Androgen production is regulated by
  - GH hormone
  - LH hormone
  - TSH hormone
  - ACTH hormone
- The sperm is produced by
  - Penis
  - Ovary
  - Uterus
  - Testes

## II. Fill ups.

- The body which has lost electrons becomes \_\_\_\_\_.
- Sound travels in the form of \_\_\_\_\_.
- The boiling point of water is \_\_\_\_\_.
- The place where two bones meet is termed as \_\_\_\_\_.
- In women fertilization takes place at \_\_\_\_\_.

5 x 1 = 5

2 .

VIII Science

10 x 2 = 20

III. Short answer. (any 10) - Ques.No. 23 is compulsory.

16. What is electroplating?
17. Difference between series and parallel circuits.
18. What is an ultrasonic sound?
19. What are the hazards of noise pollution?
20. What is electroscope?
21. State the law of conservation of mass.
22. What is a chemical equation?
23. Balance the following chemical equation.
  - i)  $\text{Ca} + \text{N}_2 \rightarrow \text{Ca}_3\text{N}_2$
  - ii)  $\text{CaCO}_3 + \text{HCl} \rightarrow \text{CaCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$

24. Match the following.

Universal solvent	-	Water pollutant
Hard water	-	Kills germs
Sewage	-	Ozonisation
Boiling	-	Water
	-	Stomach Aliments

25. Define - Specific heat capacity.
26. What is cranium?
27. What are antagonistic muscles? Give one example.
28. What is adolescence?
29. What is fertilization?
30. State true or false. if false, is correct Reason.
  - i) Estrogen is single hormones.
  - ii) There are 21 pairs of ribs in human body.

IV. Answer in details.

Answer 1 question in each part .

Part - I

31. a) i) How lightning takes place?  
ii) Explain three ways of charge transfer?

(OR)

- b) Describe the structure and function of the human ear.

Part - II

32. a) Write the chemical formula for the following compounds.
  - i) Aluminium Sulphate
  - ii) Silver Nitrate
  - iii) Magnesium Oxide
  - iv) Barium Chloride

(OR)

- b) Explain the different ways by which water gets polluted.

Part - III

33. a) Name the different types of joints? Give one example for each type.

(OR)

- b) Briefly describe the menstrual cycle.

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