

Class : 8

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SECOND MID TERM TEST - 2024

Time Allowed : 1.30 Hours]

SCIENCE

[Max. Marks : 50

YouTube/ Akwa Academy

I. Choose the correct answer.**3x1= 3**

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. The gas collected at the cathode on electrolysis of water is

(a) Oxygen

(b) Hydrogen

(c) Nitrogen

(d) Carbon dioxide

3. External ear (pinna) is supported by

(a) Bone

(b) Cartilage

(c) Tendon

(d) Capsule

II. Fill in the blanks.**2x1=2**

4. ----- muscle makes pupil of eyes wider.

5. ----- is negatively charged particle.

III. Match the following:**5x1=5**

6. Law of Conservation of mass - William Crookes

7. Law of Constant Proportion - Chadwick

8. Cathode Rays - Joseph Proust

9. Anode Rays - Lavoiser

10. Neutrons - Goldstein

IV. Answer Briefly (any 5)**5x2=10**

11. What is Electroplating?

12. What is an Ultrasonic Sound?

13. State the law of conservation of Mass.

14. Write the Chemical formula for Aluminium Sulphate.

15. Define - Specific Heat Capacity.

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16. What is Ligament?

17. Define Muscle?

V. Answer (any 5) of the following

5x4=20

18. Explain Three ways for charge Transfer.

19. a) Give an example to show that light Travel Faster than Sound.

b) Give two differences between Music and Noise.

20. Find the Valency of the element which is Underlined in the following Formula.

a) NaCl

b) CO₂

c) Ba(NO₃)₂

d) CaCl₂

21. Give reasons for the following.

a) Ice floats on Water

b) Sea water is unfit for Drinking

22. State true or False

(a) Skull in human consists of 22 bones

(b) Cardiac muscle is a voluntary muscle

c) Sea water is suitable for irrigation as it contains dissolved Salts

d) In Parallel circuit, current remains the same in all Components

23. What are the functions of Skeleton in Human Body?

24. A sound wave Travels 2000 m in 8s. what is the Velocity of the sound?

VI. Answer any 2 of the following questions.

2x5=10

25. Name the different types of Joints? Give one example for each type.

26. Classify the following ions into Monovalent, Divalent and Trivalent.

Ni²⁺, Fe³⁺, Cu²⁺, Ba²⁺, Cs⁺, Zn²⁺, Cd²⁺, Hg²⁺, Pb²⁺, Mn²⁺, Fe²⁺, Co²⁺, Sr²⁺, Cr³⁺, Li⁺, Ca²⁺, Al³⁺

27. Write the properties of Cathode Rays.

28. Explain the Series and Parallel Circuit.

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