

Class : 9

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SECOND MID TERM TEST - 2024

Time Allowed : 1.30 Hours]

SCIENCE
 YouTube/ Akwa Academy
 PART - I

[Max. Marks : 50

- I. Choose the correct answer. 8x1=8
- In an Electrolyte the current is due to the flow of _____
 (a) Electrons (b) Positive Ions (c) Both (a) and (b) (d) Neither (a) nor (b)
 - Resistance of the wire depends on
 (a) Temperature (b) Geometry (c) Nature of Material (d) All the above
 - Which of the following converts Electrical Energy into Mechanical Energy.
 (a) Motor (b) Battery (c) Generator (d) Switch
 - The unit of Magnetic Flux density is _____
 (a) Weber (b) Weber/ metre (c) Weber / metre² (d) Weber. meter²
 - The element that would form anion by gaining electrons in a Chemical Reaction is _____
 (a) Potassium (b) Calcium (c) Fluorine (d) Iron
 - Elements with stable Electronic Configurations have eight electrons in their valence shell.
 They are
 (a) Halogens (b) Metals (c) Noble gases (d) Non - metals
 - Bile helps in the digestion of
 (a) Proteins (b) Sugar (c) Carbohydrates (d) Fats
 - Which of the following is not a part of Female Reproduction.
 (a) Ovary (b) Uterus (c) Testes (d) Fallopian Tube

PART - II

- II. Answer any six questions(Q.No. 16 is compulsory) 6x2=12
- What are Electric lines of Force?
 - State Fleming's Left Hand Rule.
 - State the Advantages of AC over DC.
 - NaCl is insoluble in Carbon Tetra Chloride but soluble in water. Give Reason.
 - Fill ups:
 a) Bile secreted by liver is stored temporarily in _____
 b) The Largest cell in the Human body of a Female is _____
 - Explain any two methods of Food Preservation.

TPR / 9 / Sci / 1

15. Differentiate: Kwashiorkor and Marasmus.
16. Calculate the amount of charge that would flow in 2 hours through an element of an Electric bulb drawing a current of 2.5 A.

PART - III

III Answer any 4 questions. Q.No.22 is compulsory.

4x4=16

17. a) What are Electric Lines of Force?
 b) True or False? If false, correct the statement.
 (i) Ammeter is connected in parallel in any electric circuit.
 (ii) Current can produce the magnetic field.
18. a) Differentiate Step up and Step down Transformer.
 b) Fill up :
 (i) The SI unit of magnetic field induction is _____
 (ii) A device for producing electric current is _____
19. a) What are the types of Bond?
 b) Why are the noble gases are inert in nature?
20. Distinguish between:
 a) Excretion and Secretion
 b) Incisors and Canines
21. Name the types of teeth present in an adult Human Being. Mention the functions of each.
22. Find the Oxidation number of the element in the following Compounds.
 a) C in CO_2 b) N in HNO_3

PART - IV

IV. Answer the following:

2x7=14

23. a) Explain the Principle, Construction and Working of a DC motor.
 (OR)
 b) (i) List down any five differences between Ionic and Covalent Compounds.
 (ii) Name the different types of Bonds.
24. a) Describe the Alimentary Canal of Man.
 (OR)
 b) How are Vitamins useful to us? Tabulate the sources, deficiency diseases and Symptoms of Fat soluble vitamins.