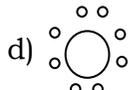
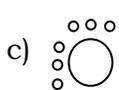
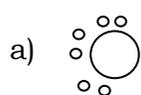


I. Answer the following:

4x1=4

1. The domestic electricity in India is an ac with a frequency of _____ HZ.

2. The lewis dot structure for oxygen is _____.



3. Bile helps in the digestion of _____.

a) Proteins b) Sugar c) Fats d) Carbohydrates

4. William Beaumont was a surgeon who was known as the _____.

a) Father of Physiology b) Father of Gastric Physiology
c) Father of Taxonomy d) Father of Zoology

II. Answer in short:

3x2=6

Part - A (any one)

5. What are electric lines of force?

6. If, 25c of charge is determined to pass through a wire of any cross section in 50s, what is the measure of current?

Part - B (any one)

7. Define octet rule.

8. Why are Noble gases inert in nature?

Part - C (any one)

9. What is ingestion?

10. Write notes on Pancreas. (any two points)

III. Answer in detail:

3x5=15

Part - A (any one)

11. List the safety features while handling electricity.

12. a) Does a solar cell always maintain the potential across its terminals constant? Discuss.

b) The e.m.f of a cell is 1.5V. What is the energy provided by the cell to drive 0.5c of charge around the circuit?

Part - B (any one)

13. List down the differences between ionic and covalent compounds.

14. Define Ionic compound. Explain with the formation of Ionic bond in $MgCl_2$?

Part - C (any one)

15. Write the types of teeth and their functions.

16. Write notes on Digestive glands, their enzymes, substrate and products of digestion (any two glands)