

SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer 10 questions in all. Select five from Reasoning Questions & 5 from Non-reasoning questions

2.(a) Reasoning Questions:

- (i) Why are glycolipids known as cerebroside?
- (ii) Why do some animals undergo ecdysis or moulting?
- (iii) Why is the blood of insects colourless?
- (iv) How are saturated acylglycerols different from unsaturated acylglycerols? (v) Why are the lungs of birds more efficient than human lungs?
- (vi) Why are Amphibians unsuccessful land vertebrates?
- (vii) Why is liver called the metabolic factory of the human body?
- (viii) Why are valves absent in the lumen of artery?

(b) Non-Reasoning Questions:

- (ix) Differentiate between Population and Community.
- (x) Describe the important functions of carbohydrates.
- (xi) Write note on Lock and Key Theory.
- (xii) Write the name of the class of the following protozoans
 - * Trypanosoma
 - * Plasmodium
 - * Entamoeba histolytica
 - * Balantidium
- (xiii) Write note on Lung fish. (xiv) Differentiate between Active immunity and Passive immunity.
- OR Open type and closed type blood circulatory system.
- (xv) Write flight adaptations of birds.
- (xvi) Identify the given process. Write its significance with examples.



SECTION 'C' DETAILED-ANSWER QUESTIONS

NOTE: Answer 2 question from this section (12)

- 3. Define Lipids. Write name of their different groups. Explain Terpenoids and their types.
- OR Write the characteristics of prototheria, Metatheria and Eutheria with examples.
- 5. Write the names of gastro intestinal tract disorders of man. Describe any five disorders.
- OR Define Immune system. Explain innate immune system.
- 5. Describe salient features of Phylum Annelida or Phylum Arthropoda. Classify it and write the characteristics of any three classes with examples.