

SECTION "B" (Short Answer Question) Marks: 10

NOTE: Attempt any EIGHT part questions in all. Select FOUR Reasoning Questions and FOUR Non-Reasoning Questions. All part questions carry equal marks.

2.(a) REASONING QUESTIONS:

- i) How does Bile help in digestion of fats?
- ii) Why are water molecules called amphoteric in nature?
- iii) Why are enzymes temperature sensitive?
- iv) Artificial sweetener is not harmful to diabetic patient. Why?
- v) Why in Antipyretic therapy used?
- vi) Why is S.A. Node called pacemaker of the heart?
- vii) Why is haemoglobin called as respiratory pigment?
- viii) How is stomach protected from HCl?

2.(b) NON-REASONING QUESTIONS:

- ix) Mention the role of arteriole in vasodilation and vasoconstriction.
- x) List the four basic characteristics of Chordates.
- xi) Differentiate between Polyp and Medusa.
- xii) Write four characteristics of enzymes.
- xiii) Define Sinuses and write their types.
- xiv) Write note on Subclass Ratitae and Carinatae.

xv) Define Diploblastic and Triploblastic animals with examples.

xvi) Differentiate between single and double circuit circulation with examples.

Section C (Detailed - Answer Question) (16)

NOTE: Attempt any TWO question from this section.

All questions carry equal marks.

3. Explain lower respiratory tract diseases.

OR

Define Lipids or Carbohydrates. Write their classifications and functions with examples.

4. Write the general characteristics, evolutionary adaptations and economic importance of Phylum Annelida OR Arthropoda.

5. Explain first line of defense with reference of Digestive Tracts and Respiratory Tracts.

OR

Describe Thrombus, Atherosclerosis and Angina Pectoris. Explain coronary bypass and Angioplasty.