

SECTION 'B' SHORT ANSWER QUESTIONS (16 Marks)

NOTE: Answer any Eight part questions from this section. Select four from Reasoning Questions and four from Non-reasoning questions. All questions carry equal marks.

Q.2(a) REASONING QUESTIONS:

- (i) Why do leucocytes are known as soldiers of the body?
- (ii) Why is the blood of insects colorless?
- (iii) Liver is metabolic factory, why?
- (iv) How does smoking cause lung cancer?
- (v) Why monosaccharides are sweet whereas polysaccharides are not?
- (vi) Why kiwi cannot fly whereas own can fly?

(b) NON-REASONING QUESTIONS:

- (vii) Write the causes and symptoms of Asthma.
- (viii) Write the names and functions of various types of canal system in porifera.
- (ix) Write any four characteristics of enzymes.
- (x) Write note on polymorphism.
- (xi) Differentiate population and community.
- (xii) Write the symptoms of malaria.

SECTION 'C'

DETAILED ANSWER QUESTIONS (08 Marks)

NOTE: Attempt any ONE questions from this Section. All questions carry equal marks.

Q.3(a) Write four salient features of Phylum Mollusca or Arthropoda. Classify it and write the characteristics of any three classes.

(b) Explain the characteristics of class Mammalia and write the names of sub-classes with examples.

Q.4(a) Explain Innate Immune system.

(b) Differentiate active immunity and passive immunity.

Q.5(a) Write any four Gastro-intestinal disorders of man.

(b) Write characteristics and functions of Protein or Carbohydrate.