

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 40

I. Attempt any Ten Parts out of the following. Each Part carries equal marks.

- i. What are enzyme Inhibitors?
- ii. Write a short note on Cholera.
- iii. Discuss the structure of Flue virus.
- iv. What is Photorespiration?
- v. Write a short note on the Amino Acid.
- vi. Write the main steps in the life cycle of HIV.
- vii. Write at least four differences between Angiosperm and Gymnosperm.
- viii. Discuss Double Fertilization.
- ix. Role of Disaccharides.
- x. Write a short note on Metamorphosis.
- xi. Explain Fungal Diseases.
- xii. What do you know about class Fishes?
- xiii. What are Conjugated molecules?

SECTION "C"

Marks: 27

Note: Attempt any Three questions of the following. Each question carries equal Marks.

- III. (a) Explain the double helical structure of Watson and Crick model of DNA.
(b) Explain Turgor Movement in plants.
- IV. (a) Describe in detail the life cycle of HIV with a labeled diagram.
(b) What do you know about the Lymphatic System?
- V. What do you know about chloroplast? What is Z-Sceme? How fixation of CO₂ takes place in Chloroplast?
- VI. Write notes of any two of the following.
 - (a) Conjugation in Bacteria
 - (b) Structural model of antibody
 - (c) Class mammals