

SECTION-II (40 Marks)

*Attempt any **four** questions from this section.*

Question 2 [10]

(a)

- (i) Why do seeds require water for germination?
- (ii) What does STD stand for? Is syphilis an STD?

(b) With the help of a diagram, explain the process of grafting.

Question 3 [10]

(a)

- (i) State the uses of bacteria.
- (ii) Define fertilisation.

(b)

- (i) How does the skin help in temperature regulation?
- (ii) State the function of sebaceous glands.
- (iii) Name the pigment present in skin.

Question 4 [10]

(a)

- (i) Why is public cleanliness important for individual health?
- (ii) Can a cell survive if its cytoplasm is removed? Give reason for your answer.

(b) Differentiate between a plant cell and an animal cell.

Question 5 [10]

(a) How does spore formation take place in fungi?

(b) Differentiate between viruses and bacteria.

