

BIOLOGY PAPER I

Time Allowed: 2:00 Hour

Total Marks – 40

SECTION – B

(Chapter 4 – 5)

(6 × 2 = 12)

Note: Please write your answer in no more than four/five lines.

Q2: Attempt any SIX parts from the following. Three part from reasoning and three from non-reasoning, All parts carry equal marks.

Reasoning portion

- i. Why sunlight is important in photosynthesis?
- ii. How pyrrole ring is formed in chlorophyll?
- iii. What is the key factor responsible for chemiosmosis
- iv. How lactic acid is produce give any suitable reason.
- v. How aerobic respiration produce more energy than anaerobic

Non-reasoning portion

- vi. What is phytophage?
- vii. Define living like characteristics of virus
- viii. What is bacteriophage?
- ix. What is prophage?
- x. What is character feature of HIV?

SECTION – C

(Chapter 6 – 7)

(2 × 3 = 6)

Note: Please write your answer no more than Six or Seven lines.

Q3: Attempt any TWO parts from the following. All parts carry equal marks.

- i. Define characteristics features of cyanobacteria
- ii. What is mutualistic bacteria?
- iii. What is Ascomycota?

SECTION – D

(Chapter 8 & 10)

(2 × 8 = 16)

Note: Please write your answer no more than Twenty to Thirty lines.

Q3: Attempt any TWO parts from the following. All parts carry equal marks.

- i. What is flower and its floral parts with labeled diagram
- ii. What is phytohormones, its types and major role?
- iii. What is Paratonic or induced movement with its at least five types.