## **BIOLOGY PAPER II**

**SECTION – B** 

# (Chapter 24-25)

**Time Allowed: 2:00 Hour** 

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

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

#### **Reasoning portion**

- i. How we can differentiate between homologous organs and analogous organs
- ii. How prokaryotic cell is evolve into eukaryotic?
- iii. Why natural selection is more important for survival of organisms?
- iv. How vector is more important in biotechnology
- v. Why biogeochemical cycle is important for continuity of life on this planet

#### **Non-reasoning portion**

- vi. What is nitrogen fixation?
- vii. Define secondary succession
- viii. What is acid rain?
- ix. What is global warming?
- x. Write down the component which damage ozone layer

#### **SECTION – C**

#### (Chapter 26-27)

### 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. Role of vector in biotechnology
- ii. What is tissue culture
- iii. What is backcrossing

#### **SECTION – D**

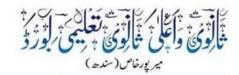
### (Chapter 22-23)

### 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 mutation, its source, and types of mutation
- ii. What is law of segregation and its phenotypic and genotypic ratio
- iii. What is multiple alleles with human blood groups







 $(2 \times 3 = 6)$ 

**Total Marks 40** 

 $(6 \times 2 = 12)$ 

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