

SECTION – II

- Q-4** **Attempt the following questions** **(07)**
- a.** What is PSTV? **(01)**
 - b.** Enlist two-drugs used to treat viral disease. **(01)**
 - c.** Which virus is the causative agent of jaundice? **(01)**
 - d.** T4 phage is tailed phage. (True/False) **(01)**
 - e.** Define: Retrovirus. **(01)**
 - f.** Define: lytic and lysogenic cycle **(01)**
 - g.** What is phage therapy? **(01)**

- Q-5** **Attempt all questions** **(14)**
- (a)** Enlist the names of any three-plant virus and give a brief on any one. **(07)**
 - (b)** Write a detailed note on structure and replicative strategy of animal viruses. **(07)**

OR

- Q-5**
- (a)** Write a detailed on potato spindle tuber disease of plant. **(07)**
 - (b)** Write a brief note on HIV virus and its disease epidemiology. **(07)**

- Q-6** **Attempt all questions** **(14)**
- (a)** Write a detail note on transmission of plant viruses. **(07)**
 - (b)** Enlist the types of viral vaccines and give a short note on viral vaccination strategies. **(07)**

OR

- Q-6**
- (a)** Write a detailed note on the plant virus and disease management. **(07)**
 - (b)** Prepare a detailed note on application of bacteriophages. **(07)**

