

SECTION – II

- Q-4** **Attempt the Following questions** **7**
- a. Causative agent of AIDS is.....
 - b. Write full form of TMV.
 - c. λ phage is a virus, which infects liver cells. True/False
 - d. The clumping together of red blood cells is known as hemagglutination. True/False
 - e. A capsule is the protein shell of a virus. True/False
 - f. Plant viruses tend to have single-stranded..... genomes.
 - g. Plaque-based assays are the standard method used to determine the infectious dose of virus. True/False
- Q-5** **Write short notes on-**
- a Classification of Viruses **7**
 - b TMV **7**
- OR**
- Q-5** a M13 **7**
- b Bacteriophage **7**
- Q-6** **Write short notes on-**
- a Explain the prevention strategies adapted for spread of HIV. **7**
 - b Explain the lysogenic cycle of bacteriophage with the suitable diagram. **7**
- OR**
- Q-6** What is ELISA? Explain the principle and types of ELISA with suitable diagram. **14**

