



**SARDAR PATEL UNIVERSITY**  
**T.Y.B.Sc EXAMINATION, VI<sup>th</sup> Semester**  
**Monday, 27<sup>th</sup> June 2022, 10.00a.m to 12.00p.m**  
**Biotechnology: US06CBIT04; [Virology]**

NOTE- Figures in the right indicate full marks.

Maximum Marks-70

Q.1. Multiple Choice Questions (10 marks- One Mark for Each MCQ)

[10]

1. According to LHT classification system of viruses DNA viruses are categorized in phylum  
 a. Deoxyvira      b. Ribovira      c. poxyvira      d. mexovira
2. A structural component that is found in all viruses is:  
 a. The envelope      b. DNA      c. Capsid      d. Tail fibers
3. Bacteriophages are readily counted by the process of:  
 a. Immunoassays      b. ELISA      c. Plaque assays      d. Tissue cell culture
4. In the growth curve of plaque-forming units, the time from infection until lysis is known as  
 a. eclipse period      b. rise period      c. burst period      d. latent period
5. Virus multiples in  
 a. soil      b. living cell      c. dead cell      d. culture medium
6. The genome of reo virus is  
 a. Single stranded DNA      b. Single stranded RNA  
 c. Double stranded DNA      d. Double stranded RNA
7. HIV is a \_\_\_\_\_  
 a. Lentivirus      b. Capripoxvirus      c. Gallivirus      d. Papillomavirus
8. Which of the following is not a method by which viral infection spreads in plants  
 a) Exuding sap of infected plants      b) Infected seeds  
 c) Through meristem      d) Infected pollen
9. Which of the following is not a method by which a virus enters a healthy host  
 a. By vectors      b. Meristem      c. Infected fungal spores      d. Through wounds
10. What is the shape of the tobacco mosaic virus capsid  
 a. Planar      b. Diamond      c. Helical      d. Circular