



QP CODE: 24020103



24020103

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, MAY 2024**

**Second Semester**

B.Sc Zoology Model II Medical Microbiology

**Vocational Course - ZM2VOT04 - MEDICAL VIROLOGY**

2017 ADMISSION ONWARDS

E701231E

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What are peplomers?
2. Smallest unit of viral taxonomy.
3. Viroid.
4. Write any two route of inoculation of laboratory animal for viral studies.
5. Epidemiology and prophylaxis of influenza.
6. Explant culture.
7. Azidithymidine.
8. Salk vaccine.
9. Hepatitis A.
10. Modes of HIV transmission in humans.
11. Any 2 vectors of arboviruses.
12. Hepatitis B.

(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Morphology of bacteriophage.
14. How does uncoating and biosynthesis of virus takes place?
15. How the viral assay been done? Explain.
16. Plaque assay.
17. Pathogenesis of influenza.
18. What is mumps?
19. Comment on non neural vaccine.
20. What are the major symptoms of arthropod borne infections? Explain.
21. Describe three main symptoms of Arboviruses with examples.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Define bacteriophage, lytic and lysogenic cycle. Explain the one step growth cycle.
23. Briefly describe how animal viruses can be cultured. Also add a note on methods employed in the detection of growth of virus in cell culture.
24. Write an essay on the pathogenesis, clinical features, treatment and prophylaxis of Rabies.
25. Write notes a) Arbovirus b) Oncogenic virus.

(2×10=20)

