

QP Code: 201385

Reg. No.....

Second Year M.Sc. MLT Degree Supplementary Examinations March 2025
(Microbiology)
Paper V - Medical Virology

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Write the morphology, laboratory diagnosis of rabies virus. Write briefly on post exposure prophylaxis of rabies.
2. Classify biosafety levels. Discuss in detail about Biosafety cabinet Level III.
3. Enumerate the general steps in viral replication. Discuss in detail the replication of single stranded RNA viruses.
4. What is bioterrorism. Mention the viruses which can act as agents of bioterrorism. Discuss the measures to prevent it.
5. Write in detail about the anti-viral agents used in treatment of Hepatitis C. Add a note on post exposure prophylaxis of Hepatitis B and C.
6. Zika Virus.
7. Opportunistic viral infections in HIV patients.
8. Enumerate the oncogenic viruses. Write in detail about laboratory diagnosis and prophylaxis of Human Papilloma virus.
9. Applications of mice in virology.
10. Antigenic variation in Influenza viruses.
