

QP Code: 201385

Reg. No.....

Second Year M.Sc. MLT Degree Regular/Supplementary Examinations

September 2024

(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. Discuss briefly the methods of virus isolation. Add a note on methods of detection of virus infected cells.
2. Classify biosafety levels. Discuss in detail about Biosafety Cabinet Level II.
3. Enumerate the general steps in viral replication. Discuss in detail the replication of double stranded DNA viruses.
4. Emerging viral infections.
5. Write in detail about the agents used in Anti-retroviral therapy. Add a note on post exposure prophylaxis of HIV.
6. Write in detail about the various vaccines available against COVID 19
7. Laboratory diagnosis of Hepatitis B virus infection
8. Prophylaxis of Rabies
9. Oncogenic viruses
10. Enumerate the viruses causing gastroenteritis. Write briefly on laboratory diagnosis of Rotavirus infection.
