

QP Code: 201385

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations**  
**April 2021**  
**(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. Describe the pathogenesis and laboratory diagnosis of HIV infection.
2. Discuss the serological markers for the diagnosis of viral hepatitis.
3. Describe prion diseases in human.
4. List zoonotic viral infections. Describe the pathogenesis, laboratory diagnosis and prophylaxis of rabies.
5. Enumerate human cancer viruses. Discuss the viral etiology of anogenital cancers with pathogenesis, diagnosis and prevention.
6. Classify cell cultures for virus culture and explain viral cultivation methods. Describe detection methods for viral replication in cell culture.
7. Discuss serological tests in clinical virology.
8. Enumerate viruses causing respiratory tract infections. Describe pathogenesis and laboratory diagnosis of influenza.
9. Classify the antiviral agents in clinical use. Explain mechanism of action with examples.
10. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Zika virus infection.

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