

QP Code:103109

Reg.No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD) -
November 2015**

Paper III - Virology & Parasitology

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays: (20)

1. Discuss epidemiology of emerging and re-emerging viruses with special reference to recent outbreaks in India and discuss their rapid laboratory identification methods.

Short essays: (8x10=80)

2. Classify hepatitis viruses. Describe morphology, antigenic structure and laboratory diagnosis of hepatitis C virus.
3. Discuss emerging and re-emerging parasitic infections. Outline mechanisms how parasite evades the human host response.
4. Describe newer approaches for detection and identification of influenza A virus.
5. Enumerate neurotropic arbo-viruses in India. Outline its laboratory detection methods.
6. Discuss the methods of identification of parasites in the laboratory.
7. Classify protozoan parasites. Discuss pathogenesis of cerebral malaria. Add a note on malarial vaccines.
8. Classify entero viruses. Briefly discuss the laboratory methods for identification of entero viruses.
9. Describe morphology, pathogenesis and laboratory diagnosis of toxoplasma gondii.
