

PG Degree Examinations in Microbiology (MD) - May 2014

Paper III - Virology & Parasitology

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. What are the various non-immunological responses of the host to viral infection.

Short essays: (8x10=80)

2. What are interferons. Describe its types and applications.
3. Enumerate the human infection causing viruses in paramyxoviridae family. Describe the different types, epidemiology and laboratory diagnosis of parainfluenza viruses.
4. List the arbo viruses causing fever with or without rash and arthralgia. Describe in detail about the clinical features and laboratory diagnosis of chikungunya virus.
5. Describe the prophylaxis for rabies virus including recent advances.
6. Describe the morphology, laboratory diagnosis and prophylaxis of rubella virus.
7. Describe the morphology, pathogenesis and laboratory diagnosis of pathogenic free living amoebae.
8. Describe the morphology, life cycle and laboratory diagnosis of vesical blood fluke.
9. Classify the human filarial infection based on the normal habitat of adult worm. Describe the morphology, epidemiology and life cycle of brugia malayi.
