

**PG Degree Regular/Supplementary Examinations in Microbiology  
(MD) January 2025**

**Paper III - Virology & Parasitology**

**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 table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Enumerate aetiology of Viral Haemorrhagic fever. Write briefly about Kyasanur Forest Disease with reference to epidemiology, laboratory diagnosis and prevention.

**Short essays:**

**(8x10=80)**

2. Classify Enteroviruses. Discuss in detail about Coxsackie viruses
3. Discuss in detail the epidemiology, clinical features, laboratory diagnosis and prevention of paragonimiasis
4. Cytomegalovirus: Epidemiology, pathogenesis and laboratory diagnosis
5. Malaria vaccines
6. Antiparasitic agents: Enumerate, describe mechanisms of action and documented resistance
7. List the emerging viruses in India. Discuss in detail about monkey pox virus
8. Discuss the epidemiology of visceral leishmaniasis in India. Write briefly on the clinical features and laboratory diagnosis of it.
9. *Strongyloides stercoralis*

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