

**PG Degree Supplementary Examinations in Microbiology (MD)**  
**January 2024**

**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. Discuss the epidemiology, life cycle, clinical features and laboratory diagnosis of Lymphatic filariasis in India. Add a note on its prevention.

**Short essays:**

**(8x10=80)**

2. Viral Diarrhoea
3. List the types of dengue virus. Write in detail the epidemiology of dengue fever in India, its laboratory diagnosis and prevention.
4. Enumerate the soil transmitted helminths. Describe the life cycle, pathogenesis and laboratory diagnosis of *Strongyloides stercoralis* in India.
5. Parasites associated with ocular infections.
6. List the newer emerging viruses. Discuss the epidemiology of Nipah virus in India, laboratory diagnosis and prevention
7. Discuss the epidemiology, mode of transmission, clinical features and prevention of Mumps virus infection.
8. Enumerate Cestodes. Describe the epidemiology, clinical features, laboratory diagnosis of *Echinococcosis* in India.
9. List the Retroviruses and the disease produced in man. Discuss the epidemiology in India and laboratory diagnosis of HIV infection. Add a note on antiretroviral drug resistance

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