

[LL 1017]

OCTOBER 2017

Sub. Code: 9128

**M.Sc. MOLECULAR VIROLOGY EXAMS
SECOND YEAR
PAPER I – DIAGNOSTIC VIROLOGY**

Q.P. Code : 289128

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the encephalitis group of ARBO viruses. Write in detail about the replication cycle, pathogenesis, epidemiology, clinical features, and lab diagnosis of Japanese B encephalitis (JE). Add a note on immuno-propylaxis of JE.
2. List the hepatotropic viruses. Describe the pathogenesis, clinical diseases and epidemiology of Hepatitis B virus. Explain how various viral markers of HBV are detected and their clinical significance in various stages of the disease.

II. Write notes on:

(10 x 6 = 60)

1. Coxsackie viruses.
2. Polio vaccine switch strategy in India.
3. Laboratory diagnosis of Swine flu.
4. Write on the pathogenicity and laboratory diagnosis of measles.
5. Slow virus diseases.
6. Methods of cultivation of viruses.
7. Respiratory syncytial virus.
8. Virus vectors in vaccinology.
9. Applications of PCR in diagnosis and treatment of HIV/AIDS.
10. Diagnosis of congenital Rubella syndrome.
