

[LN 1018]

OCTOBER 2018

Sub. Code: 9127

**M.Sc. MOLECULAR VIROLOGY EXAMS
FIRST YEAR
PAPER III – BASIC AND APPLIED VIRAL GENETICS**

Q.P. Code : 289127

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the differences between RNA and DNA viruses. Discuss in detail RNA viral multiplication.
2. What are prions? Write in detail about the Pathogenic mechanism and diseases caused by them.

II. Write notes on:

(10 x 6 = 60)

1. Karyotyping.
2. Reverse transcriptase PCR.
3. Difference between hyperplasia and hypertrophy.
4. Splicosome.
5. Catalytic RNA.
6. Viral interference.
7. Genetic code.
8. Plasmid vector.
9. Immunochemistry.
10. Different types of Mutations.
