

[LP 1019]

OCTOBER 2019

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. Describe in detail different cellular sites of viral RNA replication, each with example.
2. Write in detail the post transcriptional modifications of a typical eukaryotic cell.

II. Write notes on:

(10 x 6 = 60)

1. Write an account on histones and their roles.
2. Human Genome project.
3. Ribosomal RNA.
4. Viral vectors in Gene therapy.
5. Explain Intragenic and Intergenic mutation.
6. Polyadenylation.
7. Reverse transcriptase.
8. Tiling array.
9. Flow cytometry.
10. Okazaki fragments and their role in DNA replication.
