

[LN 1018]

OCTOBER 2018

Sub. Code: 9125

**M.Sc. MOLECULAR VIROLOGY EXAMS
FIRST YEAR
PAPER I – BASIC MICROBIOLOGY, VIROLOGY AND IMMUNOLOGY**

Q.P. Code : 289125

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the antigen-antibody reactions and describe the principle and types of enzyme linked immunosorbent assay (ELISA).
2. List the various methods used in the laboratory for the diagnosis of viral infections. Explain in detail about the molecular methods.

II. Write notes on:

(10 x 6 = 60)

1. Principle and production of Monoclonal antibodies.
2. Immunoelectrophoresis.
3. Interferons.
4. Plasma sterilization.
5. Viral transport medium with examples.
6. Bio medical waste management.
7. Mutation.
8. Name any three DNA, three RNA viruses and the diseases caused by them.
9. Enumerate any six vaccine preventable viral diseases.
10. Properties of virus.
