

[LP 1019]

OCTOBER 2019

Sub. Code: 9129

**M.Sc. MOLECULAR VIROLOGY EXAMS  
SECOND YEAR  
PAPER II – APPLIED EPIDEMIOLOGY AND APPLIED ENTOMOLOGY**

*Q.P. Code : 289129*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Basic steps and design of case control study.
2. Explain the molecular characterization of vectors, molecular approach to Taxonomy and Protein as Taxonomic markers.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Types of Infections disease surveillance.
2. What are the steps to be taken for outbreak investigations?
3. Relative and Attributable Risk.
4. Cohort study.
5. GIS in vector borne viral diseases.
6. Population biology of vector borne diseases.
7. Personal protection against vector borne diseases.
8. Vector control in urban setting.
9. Mechanism of virus Transmission in vectors.
10. Importance of medical Entomology.

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