

[LJ 1016]

OCTOBER 2016

Sub. Code: 9126

**M.Sc. MOLECULAR VIROLOGY EXAMS
FIRST YEAR
PAPER II – EPIDEMIOLOGY, BIostatISTICS AND ENTOMOLOGY**

Q.P. Code : 289126

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the vectors for *Yersinia pestis*? With the help of a diagram, describe the life cycle of the vector and their role in the transmission of *Yersinia pestis*.
2. What is Randomisation and elaborate on various types of randomization with appropriate examples?

II. Write notes on:

(10 x 6 = 60)

1. List the types of transmission seen in vector borne diseases, and add a brief note on each of them.
2. Epidemiology of Zika Virus.
3. Type of transmission in Malaria, list the vectors with the species of malaria they transmit and their breeding places.
4. Brief note on natural history of Filariasis.
5. Epidemiology of Kyasanur Forest disease and reason for its spread.
6. Measures of central tendency and a brief note on each.
7. List the types of sampling methods, and a brief note on each.
8. What is Blinding? List the types of blinding with brief note on each.
9. Briefly describe distribution curves with appropriate examples.
10. What is Odds Ratio? Explain briefly its application.
