

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 9131

**M.Sc. MOLECULAR VIROLOGY
SECOND YEAR (From 2020-2021 onwards)
PAPER II – EPIDEMIOLOGY OF VIRAL INFECTIONS AND APPLIED
ENTOMOLOGY
*Q.P. Code : 289131***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on: (2 x 20 = 40)

1. What is the purpose and main components of an outbreak investigation?
2. That various vector mosquito control strategies.

II. Write Short Notes on: (10x6 = 60)

1. Mechanism of insecticide resistance.
2. Host preferences of vector mosquitoes.
3. Characteristics of biological and mechanical vectors.
4. Arthropods (Vectors) of public health importance.
5. Molecular approach to taxonomy of vectors.
6. Define: Sporadic, Pandemic, Exotic.
7. What are the types of analytical epidemiology?
8. Infectious Disease Surveillance Methods.
9. Epidemiological determinants of varicella.
10. Relative Risk and Attributable Risk.
