

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

[AHS 0321]

MARCH 2021

Sub. Code: 9126

(OCTOBER 2020 EXAM SESSION)

M.Sc. MOLECULAR VIROLOGY

FIRST YEAR (From 2009-2010 onwards)

PAPER II – EPIDEMIOLOGY, BIostatISTICS AND ENTOMOLOGY

Q.P. Code : 289126

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Medical importance of mites and fleas.
2. Explain characteristic features of observational and experimental study designs with examples.

II. Write Short Notes on:

(10x6 = 60)

1. Randomization.
2. Distinguish between *Anopheline* and *culicine* mosquitoes.
3. Bio-ecology of KFD.
4. Systematic error.
5. Types of data with examples.
6. Natural history of disease.
7. Measures of association.
8. Non-parametric tests.
9. Role of laboratory in outbreak investigation of vector-borne diseases.
10. Measures of central tendency.
