

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

[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 9129

**M.Sc. MOLECULAR VIROLOGY
SECOND YEAR (From 2009-2010 onwards)
PAPER II – APPLIED EPIDEMIOLOGY AND APPLIED ENTOMOLOGY
*Q.P. Code : 289129***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. What are Pandemics? Write in detail about Infectious disease epidemiology investigations, with special reference to COVID-19.
2. Life history of aedes mosquito. Write in detail about Dengue viral infection and prevention.

II. Write Short Notes on:

(10x6 = 60)

1. Rates, ratios and proportion.
2. Role of Indian Council of Medical Research (ICMR).
3. Association and causation.
4. Universal Immunization Program.
5. Difference between screening and diagnostic tests.
6. Transmission of arthropod-borne diseases.
7. Role of Ticks in human disease.
8. Xenodiagnosis.
9. Myiasis.
10. Yellow fever.
