

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 9125

**M.Sc. MOLECULAR VIROLOGY
FIRST YEAR**

(Candidates admitted from 2009-2010 onwards – Paper - I)

(Candidates admitted from 2020-2021 onwards – Paper - II)

PAPER I & II – BASIC MICROBIOLOGY, VIROLOGY AND IMMUNOLOGY

Q.P. Code : 289125

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write in detail invitro tissue culture methods. Include a note a nutritional requirements and cytopathic effects.
2. Classify Hypersensitivity. Discuss in detail the mechanisms of Type I Hypersensitivity with examples.

II. Write Short Notes on:

(10x6 = 60)

1. Electron Microscopy- principle and applications.
2. Methods of Biomedical Waste Disposal.
3. Monoclonal Antibodies.
4. Universal Precautions.
5. Interleukins.
6. Positive and Negative Selection.
7. Lab Diagnosis in Dengue Fever.
8. Minimal Essential Medium.
9. Containment Facilities in Virology Laboratory.
10. Continuous cell lines.
