

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

[AHS 0122]

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

Sub. Code: 9128

**M.Sc. MOLECULAR VIROLOGY
SECOND YEAR (From 2009-2010 onwards)
PAPER I – DIAGNOSTIC VIROLOGY
*Q.P. Code : 289128***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Enumerate the viruses transmitted through blood. Discuss in detail the structure, pathogenesis, laboratory diagnosis and prevention of Hepatitis C virus.
2. Discuss the epidemiology of SARS-CoV-2. Discuss in detail the structure, pathogenetic mechanisms, laboratory diagnosis and vaccine trials of SARS-CoV-2 infection.

II. Write Short Notes on:

(10x6 = 60)

1. Inclusion bodies and their diagnostic significance.
2. NACO strategies for HIV diagnosis.
3. Ebola virus.
4. Laboratory Diagnosis of Dengue infection.
5. Viral growth inhibitors in serum.
6. Use of mice in diagnostic virology.
7. Subunit vaccine.
8. Respiratory syncytial virus infection.
9. Rubella prophylaxis.
10. Haemagglutinating viruses.
