

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1262

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR (From 2020-2021 onwards)
PAPER II – SYSTEMIC BACTERIOLOGY, VIROLOGY AND MYCOLOGY**

Q.P. Code: 281262

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the morphology, pathogenesis, laboratory diagnosis of *Treponema pallidum*.
2. Define Mycoses. Explain about the sources, pathogenesis and Lab diagnosis of Ringworm fungi.

II. Write notes on:

(10 x 6 = 60)

1. Types and applications of ELISA.
2. Laboratory diagnosis of Plaque.
3. Clinical features of HIV.
4. Lab diagnosis and pathogenesis of *Vibrio*.
5. Lyme disease.
6. Pyogenic Meningitis.
7. Pathogenesis and Lab diagnosis of *Bordetella pertussis*.
8. Lab diagnosis of Syphilis.
9. Replication of Viruses.
10. Prophylaxis of Polio.
