

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

[AHS 0222]

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

Sub. Code: 1252

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR**

(Candidates admitted from 2011-2012 & 2013-2014 onwards - Paper II)

(Candidates admitted from 2020-2021 onwards - Paper III)

**PAPER II & III – GENERAL BACTERIOLOGY, IMMUNOLOGY AND
PARASITOLOGY**

Q.P. Code : 281252

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about Hypersensitivity and describe type IV hypersensitivity.
2. Enumerate intestinal nematodes. Describe the lifecycle, pathogenicity and lab diagnosis of round worm.

II. Write notes on:

(10 x 6 = 60)

1. Write in detail about fluorescence microscope.
2. Explain about Capsule staining of bacteria.
3. Write about mode of action and application of any 3 disinfectants.
4. Briefly explain Southern blotting technique.
5. Describe Agglutination reactions.
6. Define and explain Natural immunity.
7. Write a brief note on mode of transmission of parasites.
8. Classify Protozoa.
9. Write about Opportunistic parasitic infections any 2 in detail.
10. Describe briefly about Dry heat sterilization method.
