

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

[AHS 0523]

MAY 2023

Sub. Code: 1252

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

(Candidates admitted from 2020-2021 Batch onwards)

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

Q. P. Code: 281252

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: **(2 x 20 = 40)**

1. Enumerate antigen antibody reactions. Describe Agglutination reactions and their applications.
2. Classify Culture media. Describe each one of them with examples. Add a note on Quality control.

II. Write notes on: **(10 x 6 = 60)**

1. Bacterial toxins.
2. Quality control in antibiotic susceptibility testing.
3. Sterilisation indicators.
4. Bacterial plasmids.
5. HLA typing methods.
6. Western blot technique.
7. Coomb's test.
8. Lab diagnosis of Amoebic dysentery.
9. Life cycle of Plasmodium falciparum.
10. Laboratory diagnosis of lymphatic filariasis.
