

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1252

M.Sc. MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR (Regulation from 2011–2012)

(Candidates admitted from 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

Maximum : 100 Marks

Answer ALL Questions

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

1. Describe in detail the mechanisms of Drug resistance in bacteria with examples.
2. Enumerate antigen antibody reactions. Describe the principle of Enzyme Linked Immuno Sorbent Assay (ELISA).

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

1. Non-heat Sterilisation methods.
2. Morphology of Gram negative cell wall.
3. Automated methods to identify bacteria.
4. Stool concentration techniques.
5. Lab diagnosis of Malaria.
6. Cell mediated immunity.
7. Draw the common nematode eggs seen in stool samples.
8. Production of Monoclonal antibodies and their applications.
9. Enumerate various disinfectants and their application.
10. Type 1 Hypersensitivity reaction.
