

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 5003

**B.Sc., MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR (Regulations 2010-2011 & 2018-2019 onwards)
PAPER III – GENERAL METHODOLOGY**

Q.P. Code: 725003

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on : **(3X10=30)**

1. Define Disinfection. List the various disinfectants. Add a note on the advantages and disadvantages of Hypochlorite.
2. List the equipments in the laboratory. What are the records to be maintained for an equipment? What will you do if an equipment is not working?
3. Classify Culture Media with examples. How to prepare, sterilize, quality check and store a Culture Media in a laboratory?

II. Write Notes on : **(8X5=40)**

1. Anaerobic culture methods.
2. Importance of stores and supplies in laboratory.
3. Biomedical Waste Segregation.
4. Autoclave.
5. Glassware cleaning.
6. Blood components and its uses.
7. Types of arrangement of flagella with diagram.
8. Sample collection for blood culture.

III. Short Answers on : **(10X3=30)**

1. Steps of Hand washing.
2. Different types of blood samples.
3. Normal flora of Intestine.
4. Laboratory acquired infections.
5. Anticoagulants.
6. Name the different routes of infection.
7. Labeling of specimen.
8. Blood spill management.
9. Quality control of Antibiotic discs.
10. Confidentiality of reports.
