

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

[AHS 0321]

MARCH 2021

Sub. Code: 2602

(AUGUST 2020 EXAM SESSION)

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR (Regulation 2014-2015 & 2018-2019)

**PAPER II – FUNDAMENTALS OF MEDICAL LABORATORY
TECHNOLOGY AND MICROBIOLOGY**

Q.P. Code : 842602

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Write a detailed note on Disinfection.
2. Discuss in detail about the Structure, antigenic features and Pathogenicity of Streptococcus.
3. Write a detailed note on AIDS and the virus associated with it.

II. Write Notes on:

(10 x 5 = 50)

1. Acid fast staining.
2. Role of lab technician.
3. Immediate hypersensitivity.
4. HBV.
5. Mode of Action of Antibiotics.
6. Difference between prokaryote and eukaryote.
7. Growth Curve.
8. Amoebic dysentery.
9. Structure of Immunoglobulin.
10. Alternate pathway.

III. Short Answers on:

(10 x 2 = 20)

1. Enteric fever.
2. Oxidase.
3. Dengue.
4. Hanging drop technique.
5. Pasteurisation.
6. Enrichment media.
7. Buffer.
8. Gonorrhoea.
9. Germ tube test.
10. Bacteriophage.
