

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

**[AHS 0222]**

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

**Sub. Code: 3502**

**POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY  
(From 2014-2015 onwards)  
PAPER II – MICROBIOLOGY AND PATHOLOGY  
Q.P. Code : 363502**

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2x20=40)**

1. Principle, working mechanism and applications of Electron microscopy.
2. Morphology, Pathogenicity, life cycle, laboratory diagnosis and treatment of *Entamoeba histolytica*.

**II. Write notes on:**

**(10x6=60)**

1. Growth Requirements for Microorganisms.
2. Diagnosis of Urinary tract infections.
3. Tuberculin test.
4. Lab diagnosis of HIV.
5. Differences between Platyhelminthes and Nematelminthes.
6. Immediate hypersensitivity.
7. Write about liquid based cytology.
8. Characteristics of synovial fluid.
9. Candidiasis.
10. Mode of action of disinfectants.

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