

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
(A DEEMED TO BE UNIVERSITY)

**M.Sc. Medical Laboratory Technology (MLT) (Semester - I)**

**November 2020 Examinations**

**Time: 2 Hrs.**

[Max. Marks: 60]

**Paper – I**

**Clinical Microbiology, Immunology & Molecular Biology**

*Your answer should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

*(Use separate answer booklet for section A & B)*

**Section – A**

**Clinical Microbiology**

**(30 Marks)**

**Q.P. Code: M1025**

**Long Essay**

**1x10=10 Marks**

1. Describe the clinical disease and laboratory diagnosis of Pulmonary tuberculosis.(5+5)

**Short Essay**

**4x5=20 Marks**

2. Chemical disinfectants: Mechanism of action and uses .
3. Autoclave :principle,materials sterilized,controls.
4. Laboratory diagnosis of Urinary tract infection.
5. Bacterial toxins :properties and biological effects.

**Section – B**

**Immunology & Molecular Biology**

**(30 Marks)**

**Q.P. Code: M1026**

**Long essay**

**1x10=10 Marks**

- 1 . Explain the principles of ELISA test .Enumerate the different types and its clinical applications. (4+3+3)

**Short essay**

**4x5=20 Marks**

2. Alternate pathway of Complement..
3. Major Histocompatibility Complex.
4. Functions of Cell mediated immunity.
5. Structure and Biological functions of IgM.

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