

**QP Code: 101385**

**Reg. No.....**

**First Year M.Sc. MLT Degree Supplementary Examinations April 2019  
(Microbiology)**

**Paper I - General Microbiology**

**Time: 3 hrs.**

**Max. marks: 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(10x10=100)**

1. Louis Pasteur
2. Safety cabinets
3. Discuss the working principle, types of autoclaves and its quality control in sterilization
4. Testing of disinfectants
5. Confocal microscopy
6. Describe in detail the structure and demonstration of bacterial flagella
7. Automated identification methods in microbiology
8. Transport media
9. Describe the virulent factors of bacteria
10. Genetic mechanism of drug resistance in bacteria

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