

**G 8232**



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

**Name**.....

**M.Sc. (MEDICAL MICROBIOLOGY) DEGREE EXAMINATION, JULY 2025**

**First Year**

**GENERAL MICROBIOLOGY AND CLINICAL PATHOLOGY**

(2024 Admissions–Regular, 2021–23 Admissions–Supplementary,  
2018–20 Admissions–Mercy Chance)

Time : Three Hours

Maximum Marks : 100

*Answer **all** questions.*

*Draw neat and labelled diagrams wherever necessary.*

**I. Essay :**

- 1 Enlist the different gaseous methods of sterilisation and explain the Ethelene oxide method and its applications.
- 2 Factors determining variation in inflammatory response.

(2 × 20 = 40)

**II. Short essay :**

- 1 Describe the structure of bacterial flagella and its role.
- 2 Polymerase chain reaction and its applications.
- 3 Bacterial fermentation pathways of glucose degradation.
- 4 Principle, Equipment, working and controls of Autoclave.

(4 × 10 = 40)

**Turn over**





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III. Write short notes on :

- 1 Systemic effects of chronic inflammation.
- 2 Genetic mechanisms of drug resistance in bacteria.
3. Phagocytosis.
4. Disposal of biomedical waste.

(4 × 5 = 20)

