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Reg. No.....

Name.....

M.Sc. (MEDICAL MICROBIOLOGY) DEGREE EXAMINATION, JULY 2026

Second Year

SYSTEMATIC BACTERIOLOGY

(2024 Admission Regular / 2022-23 Admissions Supplementary / 2021 Admission
First Mercy Chance / 2020 Admission Second Mercy Chance & 2019 Admission
- Final Mercy Chance)

Time : Three Hours

Maximum Marks : 100

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

I. Essays :

- 1 Explain identifying characters of Staphylococcus, Micrococcus, Streptococcus and Lactobacilli.
- 2 Explain how bacteria can be isolated and cultured ?

(2 × 20 = 40)

II. Short Essays:

- 1 Explain phenotypic characteristics for identification of bacteria.
- 2 How can you isolate and identify Bacillus and Neisseria ?
- 3 Explain how to identify Spirochaetes and Mycoplasma
- 4 Write about Bacteroidaceae and Vibrio.

(4 × 10 = 40)

III. Write short notes on :

- 1 Actinobacter.
- 2 Gram staining.
- 3 Non sporing anaerobes.
- 4 Serological tests.

(4 × 5 = 20)

