

G 8213



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Reg. No.....

Name.....

**M.Sc. (MEDICAL BIOCHEMISTRY) DEGREE EXAMINATION  
JULY 2025**

**Second Semester**

**BASIC LABORATORY PRINCIPLES AND PROCEDURES**

(2024 Admissions—Regular, 2019—2023 Admissions—Supplementary, 2018—2016  
Admissions—Mercy Chance)

Time : Two Hours and a Half

Maximum Marks : 80

**All questions are compulsory.**

*Draw diagrams wherever necessary*

- I. Define Beer-Lambert law of light absorption. Describe the general principle, instrumentation, application and calibration of colorimetry and spectrophotometry. (20)
- II. Describe the different types of pipets, add a note on calibration of pipets. (10)
- III. Write in detail the principle, instrumentation and application of photometry. (10)
- IV. Write short notes on the following :—
- 1 Antiseptic measures taken during venepuncture.
  - 2 Microbalances.
  - 3 Distilled water.
  - 4 Incubators.
  - 5 Desiccators.
  - 6 Glass wares.
  - 7 Turbidimetry.
  - 8 Centrifuges.

(8 × 5 = 40)

