

G 8239



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Reg. No.....

Name.....

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

Fifth Semester

CLINICAL CHEMISTRY AND LABORATORY MANAGEMENT

(2022 Admissions–Regular, 2019 – 2021 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. Give an account of Lab safety and regulations. Write a note on human resource management in a clinical laboratory.
(20)
- II. Write about clinical lab automation and lab information system.
(10)
- III. Explain pre analytical, analytical, and post-analytical errors in the clinical laboratory. Write about quality control.
(10)
- IV. Write short notes on the following :
 - 1 Auto analyzers
 - 2 Standard operating procedures
 - 3 Diagnostic sensitivity and specificity
 - 4 Disposal of hazardous materials
 - 5 Statistical methods for analysis of results
 - 6 Automated data processing
 - 7 Collection and deproteinization of CSF
 - 8 Determination of blood urea and creatine

(8 × 5 = 40)

