

M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
II Year III Semester
Instrumentation and Clinical Biochemistry

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Scintillation cocktail
2. SEM & TEM
3. Centrifugal force
4. Principles of polarimetry
5. Fructosuria
6. Insulin glucagon ratio
7. Write any two liver function tests.
8. Dyslipidemia
9. Maple Syrup Urine Disease
10. Hyperammonemia
11. Radioactive isotopes
12. Spectrophotometry

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the applications of GM counter.
14. Differentiate gel and paper electrophoresis.
15. Briefly explain HbA1c.
16. Write a short note Gaucher's disease.
17. Elaborately give a note on phenylketonuria.
18. Explain fluorimetry.
19. Briefly give a note on lactose intolerance.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Immunoassay- Justify as a bioanalytical method.
21. Differentiate principles and applications of GLC and HPLC.
22. Explain: a) GTT b) Galactosemia
23. Explain liver function test based on enzymes and detoxification.
24. Describe immuno deficiency syndrome.

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