

45021

M.Sc. DEGREE EXAMINATION, MARCH/APRIL 2019.

FOURTH SEMESTER

Biochemistry

Paper I — CLINICAL BIOCHEMISTRY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each questions carries 3 marks.

Each answer should not exceed 1 page.

1. Ketone bodies
2. Phenyl ketonuria
3. Alkalosis
4. Fatty liver
5. Plasma proteins
6. Lipoproteins
7. Amino transferases
8. Tumor markers

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each answer carries 15 marks.

Each answer should not exceed 6 pages.

9. Describe the disorders related to carbohydrates metabolism.

Or

10. Explain the reasons for inborn errors of amino acid metabolism.
11. Discuss the mechanism involved in the acid-base balance in body fluids.

Or

12. Explain the biochemical reactions involved in Phase I and Phase II reactions in detoxification in liver.

13. Explain the various pancreatic tests employed in disease diagnosis.

Or

14. What are Plasma proteins and explain their role in disease identification?

15. What is LDH and explain the role of isozymes in the diagnosis of Liver disease?

Or

16. How Plasma enzyme pattern is helpful in diagnosis of myocardial infarction?

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