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Reg. No......

Name.....

**B.Sc. MEDICAL LABORATORY TECHNOLOGY (M.L.T.) DEGREE
EXAMINATION, APRIL 2025**

Fourth Year

BIOCHEMISTRY – IV

(Prior to 2008 Admissions–Last and Final Special Mercy Chance)

Time : Three Hours

Maximum : 100 Marks

*Answer Sections A and B in **separate** answer books.*

Section A

I. Describe the biological role and examination of Vitamins A and C. (18)

II. Write short notes on :

- (a) Hormones secreted by the hypothalamus and their significance.
- (b) Kidney function test.
- (c) Quality control procedure.
- (d) Sex hormones.

(4 × 4 = 16)

III. Write Briefly on :

- (a) Liver function test.
- (b) Computers in the clinical laboratory.
- (c) Vitamin B.
- (d) Automated clinical chemistry analyzers.

(4 × 4 = 16)

Section B

I. Explain the basic principles of Immunological techniques, mentioning the qualitative analysis of proteins.

(18)

Turn over





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II. Write short notes on :

- (a) Screening of VMA and ketosteroids.
- (b) Detection and measurement of radioactivity.
- (c) Antigen-antibody interactions.
- (d) Estimation of triglycerides.

(4 × 4 = 16)

3. Write Briefly on :

- (a) Importance of statistical analysis.
- (b) 5-HI A A test.
- (c) Reference value and its importance.
- (d) Radiation and radioactivity.

(4 × 4 = 16)

