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Reg. No.....

Name.....

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

Second Semester

BIOLOGICAL CHEMISTRY

(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. Describe the chemical structure, biological functions, dietary sources, daily requirement and deficiency manifestations of Vitamin A. (20)
- II. Describe the structure and properties of purine and pyrimidine. (10)
- III. Write in detail the separatory technique of proteins. (10)
- IV. Write short notes on the following :—
- 1 Bile acids.
 - 2 Roll of carbohydrate in cell recognition.
 - 3 Gibbs-Donnan membrane phenomenon.
 - 4 Heme.
 - 5 Action of non-steroidal anti-inflammatory drugs.
 - 6 Serum glycoproteins.
 - 7 Eicosanoids-leukotrienes.
 - 8 Amino sugars.

(8 × 5 = 40)

