



CBCS SCHEME

15BT46

Fourth Semester B.E. Degree Examination, June/July 2019 Clinical Biochemistry

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Define Diabetes mellitus and add a note on clinical types and causes. (08 Marks)
b. Explain Glycogen storage diseases with examples. (08 Marks)

OR

- 2 a. Describe on types of Glucose tolerance tests. (08 Marks)
b. Write short note on :
i) Sphingolipidoses and Multiple sclerosis.
ii) LDL – cholesterol. (08 Marks)

Module-2

- 3 Give a detailed note on any four disorders of Aminoacid metabolism. (16 Marks)

OR

- 4 Explain the disorders of Purine metabolism. (16 Marks)

Module-3

- 5 a. Write a detailed note on assessment and clinical manifestations of renal functions. (08 Marks)
b. Write short notes on : i) Bilurubin ii) Lactate dehydrogenase. (08 Marks)

OR

- 6 a. Describe the clinical significance of aspartate aminotransferase and Creatine Kinase. (08 Marks)
b. Write short notes on :
i) Myocardial infarction ii) Enzymes of Pancreatic origin. (08 Marks)

Module-4

- 7 a. Explain the disturbances in thyroid functions. (08 Marks)
b. Write short notes on : i) Steroid hormones ii) Reproductive endocrinology. (08 Marks)

OR

- 8 Describe any four disorders of mineral metabolism. (16 Marks)

Module-5

- 9 a. Give a detailed note on any two disorders of Erythrocyte metabolism. (08 Marks)
b. Write short note on : i) Thrombolysis ii) Detoxification. (08 Marks)

OR

- 10 a. Explain the mechanism of drug action. (08 Marks)
b. Describe the disorders of Vitamins in brief. (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.