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Total No. of Printed Pages: [01]

Total No. of Questions: [09]

B.Sc. (MLS) (Semester – 4th)
CLINICAL BIOCHEMISTRY-I
Subject Code: BMLS1-427
Paper ID: [130518]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Hazards in clinical biochemistry laboratory
- b. Estimation of uric acid
- c. Blood and plasma
- d. Structure of glucose
- e. Biochemical components in human body
- f. Toxicity of Lead
- g. Auto-analysers
- h. Record management and maintenance
- i. Immuno-diffusion
- j. Normal range of bilirubin in human body

Section – B

(5 marks each)

- Q2. Write a note on quality control & quality assurance in clinical biochemistry laboratory
- Q3. Explain principle and procedure for estimation of sodium and potassium
- Q4. Discuss different screening procedure for detection of any two drugs
- Q5. Write a note on application of radioisotopes in clinical biochemistry
- Q6. Explain principle and application of RIA

Section – C

(10 marks each)

- Q7. Discuss in detail the principle and procedure for estimation of protein, urea and creatinine in blood
- Q8. What are toxic metals and their toxicity? Discuss in detail
- Q9. What is ELISA and its principle? Discuss its types