Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

B. Sc. MLS (Semester – 5th)
CLINICAL BIOCHEMISTRY-II
Subject Code: BMLS1-535
Paper ID: 130522

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) Triglycerides
b) Ketone bodies
c) Galactose tolerance test
d) Sickle cell anaemia
e) Phenylketonuria
f) Creatinine clearance
g) Automation
h) Diagnostic enzymes
i) Juvenile diabetes
j) Histidinemia

Section – B **(5 marks each)**

Q2. Thyroid Function Tests
Q3. Maple Syrup Urine Disease
Q4. Different causes of Jaundice and Fatty Liver
Q5. Clinical significance of Acid & Alkaline Phosphatase
Q6. Types of Centrifuges used in Clinical Biochemistry Laboratory

Section – C **(10 marks each)**

Q7. Explain principle, construction and working of auto-analyser used in Clinical Biochemistry Laboratory
Q8. Discuss different stages of acute and chronic renal failure along with diagnostic parameters
Q9. Write a detailed note on adult-onset diabetes with respect to biochemical changes.