

2112H044

BACHELOR OF VOCATION
Medical Laboratory Technology
Subject: Medical Biochemistry -I
Subject Code: LSH502
Semester: First
December 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

- A. Define hyperglycemia.
- B. Define katal.
- C. What is the difference between nucleotide and nucleoside?
- D. HDL stands for _____.
- E. What is the normal range of cholesterol in serum?
- F. What is the difference between serum and plasma?
- G. Define Beer's Law.
- H. Biuret method is used for _____.
- I. Describe the function of iron in our body.
- J. Name different types of DNA.

SECTION -B (ESSAY TYPE QUESTIONS)
(5 x 5 = 25 Marks)

1. What are enzymes? Explain the factors affecting the enzyme action.
2. Explain different types of Glucose tolerance tests.
3. Explain the principle and procedures of different enzymatic methods of glucose estimation.
4. With the help of suitable diagrams explain the principle and uses of flame photometer.
5. Elaborate on Beta oxidation of fatty acids.
6. Define and classify Vitamins. Describe different diseases associated with vitamins.
7. Describe nucleic acids. Describe in detail the function and structure of B-DNA.
8. Describe the working principle of Spectrophotometer and its parts.

==END OF PAPER==