

BACHELOR OF VOCATION
Medical Laboratory Technology
Subject: Human Physiology-I
Subject Code: LSH505
Semester: First
February 2022
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. What is bleeding time?
- B. What is pH?
- C. Name the device used for measurement of arterial blood pressure.
- D. Name the functional units of kidney.
- E. What is catabolism?
- F. Define reflex arc.
- G. EEG stands for _____.
- H. What is the function of SA node?
- I. List the granulocytic leukocytes.
- J. Name different phases of mitotic cell cycle.

SECTION -B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. Describe the composition and functions of blood.
2. What does term homeostasis mean? Explain homeostatic control mechanisms.
3. Explain the role of photopigments present in rods and cones, in vision.

4. Describe the events of different phases of cardiac cycle.
5. Explain the process of respiration in human body.
6. Differentiate between sympathetic and parasympathetic pathways.
7. Describe the general functions of cerebral cortex.
8. Explain the process of urine formation.

==END OF PAPER==