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

B.Sc. (MLS) (Semester –1st)
HUMAN ANATOMY AND PHYSIOLOGY - I
Subject Code: BMLS1104
Paper ID: [130504]

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. Define the following:
a) Crossing Over
b) Leptotene
c) Isotonic contraction
d) ECG
e) Heart Sounds
f) Stroke Volume
g) Functions of WBCs
h) Role of Cartilage
i) Motor Unit
j) ESR

Section – B **(5 marks each)**

Q2. Discuss Mitosis in detail.
Q3. Describe types of tissues on the basis of location, function and formation.
Q4. Explain transport of respiratory gases.
Q5. Give gross and microscopic structure and functions of lymphatic tissues.
Q6. Write a note on cardiac cycle.

Section – C **(10 marks each)**

Q7. Write a detailed note on classification and structure of joints.
Q8. Give detailed note on mechanism of muscle contraction.
Q9. Explain anatomy and physiology of heart.