

B.Pharmacy (Sem. - 2<sup>nd</sup>)**ANATOMY PHYSIOLOGY AND HEALTH EDUCATION - I****SUBJECT CODE : PHM - 1.2.5 (2K9 Batch)****Paper ID : [D0151]**

[Note : Please fill subject code and paper ID on OMR]

**Time : 03 Hours****Maximum Marks : 80****Instruction to Candidates:**

- 1) Section - A is Compulsory.
- 2) Attempt any Four questions from Section - B.
- 3) Attempt any Three questions from Section - C.

**Section - A****Q1)****(15 × 2 = 30)**

- a) Write the functions of endoplasmic reticulum.
- b) Give the examples of ball and socket joints.
- c) Differentiate adipose and aerolar tissues.
- d) Draw ECG.
- e) Name the universal donor and universal acceptor of blood.
- f) Define serum.
- g) Write the composition of blood.
- h) Differentiate plasma and serum.
- i) Name the tissues lined by transitional epithelium.
- j) Write the functions of nucleus.
- k) Draw the structure of neuron.
- l) What is congestive heart failure?
- m) Write the function of lymphatic system with respect to drainage.
- n) What is sarcomere?
- o) What do you understand by hypertension?

**Section - B**

**(4 × 5 = 20)**

**Q2)** Differentiate smooth muscles, cardiac muscles and skeletal muscles.

**Q3)** Write a note on heart sounds.

**Q4)** Write different types of epithelial tissues.

**Q5)** Draw and label human cell.

**Q6)** Write the functions of lymphatic system.

**Section - C**

**(3 × 10 = 30)**

**Q7)** Explain in sliding theory of muscle contraction.

**Q8)** Explain physiology and functions of spleen.

**Q9)** Write a note on different types of connective tissues.

**Q10)** Explain the cardiac cycle.

