

Roll No. ....

Total No. of Questions : 10]

[Total No. of Pages : 02

B.Pharmacy (Sem. - 2<sup>nd</sup>)

ANATOMY PHYSIOLOGY AND HEALTH EDUCATION - I

SUBJECT CODE : PHM - 1.2.5

Paper ID : [D0111]

[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) What is the function of prickle cells.
- b) What are the components of nucleus.
- c) Classify various tissues of body.
- d) Enlist the functions of lymph node.
- e) Which vitamin helps in the coagulation of blood.
- f) Describe phagocytosis.
- g) What is neutrophilia?
- h) Why haemoglobin level in male is higher than females.
- i) Differentiate between bleeding and clotting time.
- j) What is sarcomere.
- k) Enlist various types of filaments of myofibrils.
- l) Where is calcium stored.
- m) Differentiate between voluntary and involuntary muscle.
- n) What is the normal range of blood pressure.
- o) What is neuromuscular junction.

**Section - B**

**( 4 × 5 = 20 )**

- Q2)** Describe the physiology of muscle contraction.
- Q3)** Explain the structure and functions of spleen.
- Q4)** Draw a neat labeled diagram of Heart.
- Q5)** Discuss various blood groups and their significance.
- Q6)** Describe various joint movements.

**Section - C**

**( 3 × 10 = 30 )**

- Q7)** Describe the mechanism of coagulation of blood.
- Q8)** Explain cardiac cycle.
- Q9)** Explain the structure and functions of nervous tissue.
- Q10)** Describe the structure of synovial joint and discuss its types.

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