

18.5.10

Roll No. ....

Total No. of Questions : 10]

[Total No. of Pages : 02

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

**ANATOMY, PHYSIOLOGY & 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) What is Porphyria?
- b) List the functions of Ribosome?
- c) What are the advantages of biconcave structure of RBC?
- d) What are the types of T lymphocytes?
- e) What do you mean by "Refractory Period"?
- f) What is the role of vitamin K in blood coagulation?
- g) What is "Infectious Mononucleosis"?
- h) What is the role of ATP in muscle contraction and relaxation?
- i) What are Sinusoids?
- j) Explain the phase of Isovolumic relaxation of a cardiac cycle?
- k) What do you mean by Venous return?
- l) What are Mechanoreceptors? How they regulate blood pressure?
- m) What do you mean by "Typical Angina"?
- n) What is Gouty arthritis?
- o) What is Frank-Starling's law of heart?

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**Section - B**

**(4 × 5 = 20)**

**Q2)** Write briefly about the followings:

- (a) Types of cartilage.
- (b) Types of dense connective tissue.

**Q3)** Write a note on Neuromuscular junction?

**Q4)** Explain the process of Blood coagulation?

**Q5)** Write a note on Thymus gland and its role in immunity?

**Q6)** Describe the events of Skeletal muscle contraction?

**Section - C**

**(3 × 10 = 30)**

**Q7)** Discuss the bones of Human skull?

**Q8)** Explain the types of Anemias?

**Q9)** What is Cardiac output? What are the different factors that effects Cardiac output?

**Q10)** Discuss the disorders of Lymphatic system?



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