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Total No. of Questions : 10]

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

**ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION - I**

**(PHM - 1.2.5)**

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 x 2 = 30)**

- a) What is hypotension?
- b) What are ball and socket joints?
- c) List 2 functions of Sinovial fluids.
- d) What are the different types of blood cells?
- e) Which vitamin helps in coagulation of blood?
- f) What is the difference between skeletal muscle and cardiac muscle?
- g) How do the long bones help in movement of the body?
- h) Name some of the small joints of the body.
- i) What is the function of ribosomes in the cell?
- j) Describe a nerve cell.
- k) What are the components of nucleus.
- l) What is a striated muscle?
- m) List the functions of lymph nodes.
- n) What is lymph how it is produced?
- o) What are the different types of nucleic acids present in cell?

**P.T.O.**

**Section - B**

**(4 x 5 = 20)**

- Q2)** Explain the cardiac cycle.
- Q3)** How many cranial bones are there name them?
- Q4)** Where are red cells produced and what is the role of iron?
- Q5)** What is arteriosclerosis? Explain.
- Q6)** What is the physiology of muscle contraction?

**Section - C**

**(3 x 10 = 30)**

- Q7)** What are the properties of skeletal muscles and where are these muscles situated? Discuss any 5 examples.
- Q8)** Describe the mechanism of coagulation of blood.
- Q9)** What is the physiology and functions of spleen?
- Q10)** How does blood circulation takes place in our body explain?

