

**B. Pharmacy 1st Semester Examination**  
**Anatomy, Physiology and Health Education (NS)**

**BP-113**

**Time : 3 Hours**

**Max. Marks : 70**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**SECTION - A**

*Attempt any two questions. Each question carries 10 marks.*

1. Write due anatomy of skeletal muscles. Explain the physiological properties of skeletal muscles & physiology of muscle contraction.
2. Write the composition and functions of blood and its components.
3. Explain the composition, formulation and circulation of lymph.  
(10×2=20)

**SECTION - B**

*Attempt any eight questions. Each question carries 5 marks.*

4. Scope of Anatomy and Physiology.
5. Functions of spleen.
6. Disorders of joints.
7. Types of movements of joints.
8. Physiology of Heart.
9. Congestive heart failure.

10. Bleeding disorders.
11. Mechanism of coagulation.
12. Composition of Bone & functions of skeletal system. (5×8=40)

**SECTION - C**

*All questions are compulsory. Each question carries 2 marks.*

13. Structure of cell.
14. Muscle contraction.
15. Heart sounds.
16. Electrocardiogram.
17. Functions of Heart. (2×5=10)