

[Total No. of Questions - 5] [Total No. of Printed Pages - 2]  
(2123)

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**B. Pharmacy 1st Semester Examination**  
**Anatomy, Physiology and Health Education-I (N.S.)**  
**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.*

**Note :** The candidates are required to attempt any two questions from Section A, Any eight from Section B. Section C will be compulsory & students have to answer all questions from Section C.

**SECTION - A**

1. Write the anatomy of heart and explain cardiac cycle with neat diagram in brief. **(10)**
2. Explain the structure and functions of joints. Also explain types of movements of joints. **(10)**
3. Give brief outline of Hypertension, Hypotension, Myocardial Infection and cardiac arrhythmias. **(10)**

**SECTION - B**

4. (i) Define cell and write it's components.  
(ii) Explain mechanism of coagulation.  
(iii) Bleeding time and clotting time.  
(iv) Skeltel muscles.  
(v) Epithelial tissues.

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**[P.T.O.]**

- (vi) Components of Lymph.
- (vii) Disorders of lymphatic system.
- (viii) Platelets Disorders.
- (ix) Blood groups.
- (x) Functions of spleen.

**(5×8=40)**

**SECTION - C**

5. (i) Arteriosclerosis.  
(ii) Lymph.  
(iii) Angina.  
(iv) Cell functions.  
(v) Nervous tissues.

**(2×5=10)**