

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2126)

16355(D) - 0 DEC 2016

B. Pharmacy 1st Semester Examination

Anatomy, Physiology and Health Education-I (CBS)

BP-103

Time : 3 Hours

Max. Marks : 60

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 :** (i) Attempt any five questions selecting one from each section.
(ii) Question no. 9 is compulsory.
(iii) All question carry equal marks.

SECTION - A

1. Classify animal tissues. Enlighten the functions of different type of tissues. (12)
2. Describe structure of cell membrane and various mechanisms by which material move across the cell membrane. (12)

SECTION - B

3. Give a detailed note on microscopic organization of skeletal muscles and its connective tissue covering. (12)
4. Describe the events of contraction and relaxation in skeletal muscle fibre. (12)

SECTION - C

5. Write a note on role of blood cellular components. Explain the physiology of blood coagulation. (12)
6. Give the composition of lymph. Describe the structure and functions of spleen. (12)

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SECTION - D

7. Define pacemaker. Explain the physiology of impulse generation and transmission in heart. (12)
8. What do you understand by isolated hypertension? Write a note on cardiovascular disorders. (12)

SECTION - E

9. Write short notes on the following:- (12)
 - (i) Acid-base balance
 - (ii) Homeostasis
 - (iii) Power house of cell
 - (iv) Phagocytosis & pinocytosis
 - (v) Enlist the diseases of blood
 - (vi) Peroxisomes
 - (vii) Tight junctions
 - (viii) Hemopoiesis
 - (ix) Functions of lymph node
 - (x) Osteoblasts & Osteoclasts cells
 - (xi) Haversian canals
 - (xii) Cardiac cycle (12×1=12)