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(2063)

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B. Pharmacy 2nd Semester Examination
Anatomy Physiology & Health Education (O.S.)
HBP-110

Time : 3 Hours

Max. Marks : 80

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

1. Write a comprehensive note on various elementary tissue of human body. (16)

OR

Describe the components & their function of "smallest structure & function unit of life". (16)

SECTION - B

2. Explain various joint movement. What are various disorders of joints. (10, 6)

OR

Describe the physiology of muscle contraction. (16)

SECTION - C

3. Write the composition of blood. Write in brief the importance of blood group. Explain the mechanism of coagulation of blood. (2,4,10)

OR

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[P.T.O.]

Write a comprehensive note on composition, structure & function of lymph node.

(4,6,6)

SECTION - D

4. Draw a labelled diagrams of blood circulation in heart. Explain cardiac cycle.

(10, 6)

OR

Write in brief the etiology of following disorders.

- (a) Hypertension (b) Myocardial Infection
(c) Cardiac Arrhythmia (d) CHF

(4,4,4,4)

SECTION - E

5. (a) Write the chemical composition of nervous tissue.
- (b) Define Anatomy, Physiology & Pathophysiology.
- (c) On the basis of structure, joints are classified as Fibrous joint, _____ & _____
- (d) Explain All-or-None Law.
- (e) Differentiate 'rheumatoid arthritis's 'osteoarthritis'.
- (f) Write in brief function of blood platelets.
- (g) Define Heart Beat & Heart Sound. What is normal range of B.P. in human?
- (h) Write in brief the contraction phase and Relaxation phase of heart Beat.

(2×8=16)