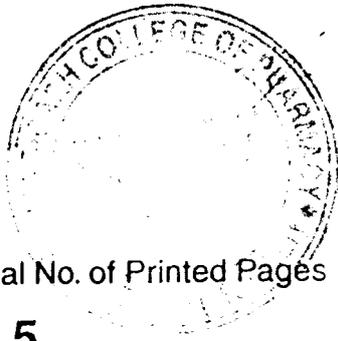


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Roll No.....

Total No. of Questions : 10]

[Total No. of Printed Pages : 3

1.2.5

Anatomy, Physiology & Health Education—I

(B. Pharmacy, 2nd Semester, 2063)

Time : 3 Hours]

[Maximum Marks : 80

Note :- Section A is compulsory. Attempt *Four* questions from Section B and any *Three* questions from Section C.

Section-A

Marks : 30

1. (a) What function does lysosomes play in cell ?
- (b) What do you mean by humoral immunity ?
- (c) Explain the phenomenon of 'summation' in muscle contraction.
- (d) What are A bands and I bands in a striated muscle ?
- (c) Which proteins absorb and transport iron for RBC formation ?
- (f) What are cordea tendinae ?
- (g) What is Fibrillation ?

1.2.5

U-5

Turn over

(2)

- (h) Define the term 'Stroke Volume'.
- (i) What is isotonic contraction of muscle ?
- (j) What is positive chronotropic and positive inotropic effect ?
- (k) What are the major components of an atherosclerotic plaque ?
- (l) Define 'Prothrombin Time'.
- (m) Enlist various types of cells present in bone tissues.
- (n) Name major components of alveolar connective tissue.
- (o) Why spleen is termed as 'blood bank of the body' ?

Section-B

Marks : 5 Each

- 2. Differentiate between skeletal and smooth muscle.
- 3. Enlist various types of anaemias.
- 4. Classify epithelial tissue into its various subtypes.
- 5. What is Frank-Sterling's Law ? Explain its molecular basis.
- 6. Discuss the role of baroreceptors in regulation of blood pressure.

1.2.5

U-5

(3)

Section-C **Marks : 10 Each**

7. Describe the various parts of specialised conduction tissue of heart.
8. Draw a labelled diagram of T.S. of bone.
9. Discuss different types and functions of T-cells.
10. What is various return ? Enlist various factors that affect various return.

1.2.5

U-5