

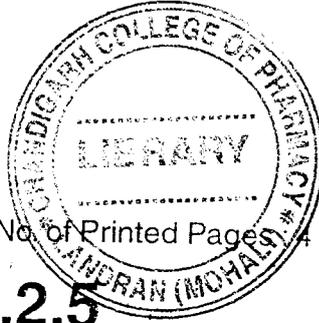
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Total No. of Questions : 10]

[Total No. of Printed Pages : 4



**PHM-1.2.5**

**ANATOMY PHYSIOLOGY AND  
HEALTH EDUCATION-I**

**(B.Pharmacy, 2nd Semester, 2123)**

Time : 3 Hours

Maximum Marks : 80

**Note :-** This paper consists of Three Sections. Section A is compulsory. Attempt any *Four* questions from Section B and any *Three* questions from Section C. Illustrate your answers with suitable examples and diagrams.

**Section-A**

Marks : 2 Each

1. (a) Differentiate between smooth muscle and skeletal muscle.

PHM-1.2.5

Turn Over

U-53

( 2 )

- (b) Membranes of adjacent cells are connected to each other by junctional complexes such as ..... and .....
- (c) Enlist Carpal bones of Proximal row.
- (d) What are true and false ribs ?
- (e) What is a Hinge Joint ? Give *two* examples.
- (f) Proteins of thin filament of a myofibril are .....
- (g) Define Myasthenia Gravis.
- (h) RBCs count is higher in males than in females why ?
- (i) Differentiate between microcytic and megaloblastic anaemia.
- (j) What do you mean by the terms thrombocytopenia and Leukopenia.
- (k) What is the mechanism behind anticoagulant action of oxalates and citrates of sodium and ammonia ?

PHM-1.2.5

U-53

( 3 )

- (l) Why dislocation is common around Ball and Socket Joint ?
- (m) Define :
  - (i) Myocardial Angina
  - (ii) Myocardial Infarction.
- (n) Differentiate between 'Stroke Volume' and 'Cardiac Output'.
- (o) Blood pressure is the product of ..... and .....

**Section-B**      Marks : 5 Each

- 2. Explain T.S. of a skeletal muscle fibre.
- 3. Explain the process of blood coagulation.
- 4. Write a note on nucleus of a human cell.
- 5. Describe structure and functions of a Lymph node.
- 6. Explain various events of a cardiac cycle.

PHM-1.2.5

Turn Over

**Section-C**      Marks : 10 Each

7. What is Erythropoiesis ? Explain various stages of Erythropoiesis. What are the various factors that effect Erythropoiesis ?
8. Define Tissue, classify various tissues of the body and explain simple epithelial tissue in detail.
9. What is Blood Pressure ? Explain various mechanisms involved in the regulation of Blood Pressure.
10. Explain Internal Structure of the heart in detail.