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Dec 2003

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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.

(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 machanism behind anticoagulant action of oxalates and citrates of sodium and ammonia ?

(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.

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.