

B. Pharmacy VI Semester

Examination, June 2015

Pharmacology - III

Time : Three Hours

Maximum Marks : 70

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each questions are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 100 words) carry 7 marks.
 iv) Except numericals, Derivatives, Design and Drawing etc.

1. a) Describe the positive inotropic effect of cardiac glycosides.
 b) Explain mechanism of action of antiranginal drugs.
 c) Discuss the pharmacokinetics of Digoxin.
 d) Discuss in detail the pathophysiology of antihypertensive drugs with special reference to beta blockers.

OR

Explain the factors contribute for development of arrhythmia. Give an exhaustive note on pharmacology of antiarrhythmic drugs.

2. a) Explain the importance of Hematinics.
 b) What is thrombosis?
 c) Describe the drugs affecting blood coagulation.

- d) Describe in detail the pharmacology of dextran as plasma expander.

OR

Enlist normal limits of Total Cholesterol, HDL, LDL, VLDL and Triglycerides in adults. Give an exhaustive note on pharmacology of atorvastatin.

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3. a) Explain the mechanism of action of sulphonamides.
 b) Describe the mechanism of action of thiazides.
 c) Give an exhaustive note on pharmacology of clonazepam.
 d) Describe in detail the pharmacology of drugs used for urolith treatment.

OR

Discuss in detail the pharmacology of drugs acting in urinary tract infection.

4. a) Explain the role of calcitonin.
 b) Describe the mechanism of action of corticosteroids.
 c) Give an exhaustive note on drugs affecting calcium balance.
 d) Describe in detail the pathophysiology of erectile dysfunction.

OR

What is type - II diabetes? Explain the pharmacology of oral hypoglycemic agents.

5. a) Classify thyroid inhibitors.
 b) What is thrombosis?
 c) Briefly discuss transport, metabolism and excretion of T_4 and T_3 .
 d) What is thyrotoxic crisis? Discuss in detail the pharmacology of propranolol.

OR

What is octapeptide? Explain in detail the pharmacokinetics of oxytocin.