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Total No. of Questions :5] *[Total No. of Printed Pages : 2*

Roll No .....

PY-405

B.Pharmacy IV Semester

Examination, June 2016

Pharmacology - I

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.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Define bioassay with its types.
   b) Enlist various metabolic pathways of liver.
   c) Briefly describe clinical trial.
   d) Enlist transducer mechanism of drug action with example. Discuss any one in detail.

   OR

   Discuss about factor modifying drug actions.

2. a) Classify local anaesthetics.
   b) Classify beta blockers with examples.
   c) Enlist five major effects of cholinergic receptor blockers.

   d) Define myasthenia gravis. Discuss its treatment.

   OR

   Enlist adrenergic receptors with locations and functions.

3. a) Write a note on Bradykinin.
   b) Describe action of 5- hydroxyptamine on cardiovascular system.
   c) Enlist leukotriene receptors with their location in body.
   d) Discuss the pharmacological action of prostaglandins.

   OR

   Discuss the pharmacological actions of Histamine.

4. a) Describe the effect of NSAIDs on gastric mucosa.
   b) Describe antipyretic actions of Non-steroidal Anti-inflammatory drugs.
   c) Describe acute paracetamol poisoning.
   d) Classify NSAIDs. Discuss the pharmacological actions of salicylates.

   OR

   Classify Antigout drugs. Discuss the treatment of acute and chronic gout.

5. a) Describe the mechanism of action of sympathomimetics.
   b) Write a brief note on opioid antitussives.
   c) Briefly describe expectorants with examples.
   d) Classify antiasthmatic drugs. Briefly discuss the role of sympathomimetics as antiasthmatic agents.

   OR

   Enlist the approaches for treatment of Asthma. Briefly describe pharmacological actions of leukotriene antagonists.

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