

(LH 4264)

AUGUST 2015

Sub. Code: 4264

**THIRD YEAR B.PHARM. EXAMINATION
PAPER IV – PHARMACOLOGY - I**

Q.P. Code: 564264

Time: Three hours

Maximum: 100 marks

I. Essay:

(2 x 20 = 40)

1. Classify Diuretics. Write the pharmacological actions, therapeutic uses and adverse effect of chlorthiazides. Add a note on hypertension therapy.
2. Define biotransformation. Explain in detail different phases of biotransformation reactions.

II. Short notes:

(8 x 5 = 40)

1. Write the pharmacological actions of atropine in eye and smooth muscles.
2. Write the pharmacological action of alpha and beta adrenergic blockers on heart and blood pressure.
3. Write briefly on chlorpromazine.
4. Discuss the mechanism of action and therapeutic uses of lignocaine.
5. Briefly discuss the pharmacological action of chlorpromazine in CNS.
6. Give the therapeutic uses of narcotic analgesics.
7. Classify sedatives with example. State the mechanism of action of diazepam.
8. Give one example and one therapeutic use for the following group of drugs.
 - a. Cardioselective β blocker
 - b. SSRI
 - c. Potassium channel blocker
 - d. COX 2 inhibitor
 - d. Aldosterone antagonist.

III. Short answers:

(10 x 2 = 20)

1. Give two therapeutic uses of adrenaline.
2. Give two examples of drugs used in the treatment of arrhythmias.
3. Explain the mechanism of action of atorvastatin.
4. Name two inhalational general anaesthetics.
5. Give one example each for antipyretics and non narcotic analgesic.
6. Give the side effects of haloperidol.
7. What is amitriptyline?
8. Define bioassay.
9. Write the mechanism of actions of carbamazepine.
10. What is partial agonist? Give example.
