

(LF 4264)

AUGUST 2014

Sub. Code: 4264

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

Q.P. Code: 564264

Time: Three hours

Maximum: 100 marks

I. Essay: (2X20=40)

1. a) Define Bioassay. Mention the indications of bioassay and explain about the types of bioassay.
b) Explain in detail about the bioassay of insulin and digitalis.
2. a) Define hypertension and give the types.
b) Define and classify antihypertensive drugs with examples.
c) Explain in detail about Potassium channel activators and ACE inhibitors.

II. Short notes: (8X5=40)

1. Explain about Phase-I and II metabolic reactions.
2. Write in brief about the physiological factors which affect the drug absorption.
3. Centrally acting skeletal muscle relaxants.
4. Drugs indicated in Alzheimer's disease.
5. Define Atherosclerosis and mention the drugs used in its treatment.
6. Principles of treatment of digitalis poisoning.
7. Selective COX-2 inhibitors.
8. Drugs used in the treatment of Grand mal epilepsy.

III. Short Answers: (10X2=20)

1. Name two calcium channel blockers.
2. Name two ganglion blockers with their therapeutic uses.
3. What is physiological antagonism? Give example.
4. Advantages of procainamide over procaine as an antiarrhythmic agent.
5. State therapeutic uses of Chlorpromazine.
6. What are the side effects of thiazides?
7. Advantages of using spiranolactone.
8. What are the contraindication to the use of Propranolol?
9. Name the neurotransmitters of the CNS.
10. Name two drugs used in the prophylaxis of asthma.
