

[LC 4264]

FEBRUARY 2013

Sub. Code: 4264

THIRD YEAR B.PHARM. EXAM
Paper IV – PHARMACOLOGY – I

Q.P. Code: 564264

Time : Three hours
(180 Min)

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. What are anti-inflammatory drugs? Classify them with suitable examples. Discuss the pharmacological action, adverse effects and therapeutic uses of aspirin.
2. Classify parasympathomimetics, discuss the pharmacological and mechanism of action and therapeutic uses of any one cholinergic drug.

II. Write notes on:

(8x5=40)

1. Write a note on drug abuse.
2. Explain insulin bioassay.
3. Write a note on parenteral route of drug administration.
4. What is mean by bioavailability and bioequivalence? Give its significance.
5. Write a note on pharmacogenetics.
6. Classify anti hyperlipidemia drugs. Explain the mechanism of action of statins.
7. What are loop diuretics? State its therapeutic uses.
8. Write a note on treatment of shock.

III. Short Answers:

(10x2=20)

1. Name two drugs acting through sodium channels.
2. What is Nicotine?
3. What is competitive reversible antagonism?
4. Write the mechanism of action of digitalis.
5. State the therapeutic uses of sodium nitrites.
6. What is minoxidil?
7. What are osmotic diuretics? Give example.
8. What is montelukast?
9. Name the category of any receptor in which formoterol produce its response.
10. What are the side effects of dextromethorphan?
