

FACULTY OF PHARMACY**B. Pharmacy III-Year I-Semester (Main) Examination, November 2013****Subject : Pharmacology - I****Time : 3 Hours****Max. Marks: 70*****Note: Answer All questions. All questions carry equal marks.***

- 1.(a)(i) Write about various factors influencing drug action. (10)
(ii) What is therapeutic? Explain its clinical importance. (4)

OR

- (b) Write notes on the following:
(i) Biotransformation of drugs (7)
(ii) Drugs acting on ion channels (7)
- 2.(a) Write the mechanism of action, uses and adverse effects of (14)
(i) Adrenaline (ii) Neostigmine
(iii) Atropine (iv) Salbutamal

OR

- (b) Write about the following: (7+7)
(i) Muscarinic receptors
(ii) Cholinesterase inhibitors
- 3.(a) What is schizophrenia ? Classify drugs used in its treatment. Write the pharmacology of phenytoin. (14)

OR

- (b) Write the mechanism of action, adverse effects and therapeutic uses of following. (14)
(i) Diclofenac (ii) Morphine
(iii) xylocaine (iv) phenobarbitone
- 4.(a)(i) Write about brochodilators. (7)
(ii) Write about treatment of cough. (7)

OR

- (b) What is arrhythmias? Classify drugs used in cardiac arrhythmias. Discuss the pharmacology of quinidine. (14)
- 5.(a) Write short notes on the pharmacology of : (7+7)
(i) H₂ receptor blockers
(ii) Anti diarrhoeals

OR

- (b) Classify diuretics. Discuss how high ceiling diuretics act. What are the clinical uses of diuretic and anti diuretics? (14)
