

**FACULTY OF PHARMACY****B. Pharmacy 3/4 I – Semester (Main) Examination, November 2015****Subject : Pharmacology - I****Time : 3 hours****Max. Marks : 70****Note: Answer all questions. All questions carry equal marks.**

- 1 a) Write about different types of biotransformation reactions with examples. 14  
OR  
b) Write about various types of receptors, their interaction with drugs leading to pharmacological activity with suitable examples. 14
- 2 a) Explain the mechanism of action, SAR and therapeutic uses of 7+7  
i)  $\beta$ -adrenergic blockers ii) Anti-cholinesterases  
OR  
b) Classify the Parasympathomimetic agents and write about the pharmacology of Acetyl choline 14
- 3 a) Write a short note on : 14  
i) Hypnotics and sedatives ii) Local anesthetic agents  
OR  
b) i) Give the classification of Anti-Parkinson's agents 5+9  
ii) Discuss the mechanism of action, adverse effects and therapeutic uses of any three antiepileptic drugs
- 4 a) Write about the following : 7+7  
i) Bronchodilators  
ii) Drugs used in the treatment of shock  
OR  
b) Define Hypertension, classify the anti-hypertensive agents and write about the pharmacology of Calcium channel blockers and ACE inhibitors. 2+6+6
- 5 a) Write about the following : 7+7  
i) Anti-diarrhoeal agents  
ii) Pharmacology of Purgatives  
OR  
c) i) Write the classification of Anti-ulcer agents 5+9  
ii) Discuss the mechanism of action, adverse effects and therapeutic uses of Rantidine, Ondansetron and Acetazolamide

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