

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm. - SEMESTER- V • EXAMINATION – SUMMER - 2017**

**Subject Code: 2250005****Date: 14/06/2017****Subject Name: Pharmacology and Pharmacotherapeutics - I****Time: 10:30 AM to 01:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Classify parasympathomimetics. Discuss the mechanism of actions and therapeutic uses of cholinergic drugs. **06**  
(b) Write a short note on sympathetic transmission. **05**  
(c) Write a note on treatment of organophosphorous poisoning. **05**
- Q.2** (a) Classify sympathomimetic drugs. Write the mechanism of action and therapeutic applications of adrenergic drugs. **06**  
(b) Describe pharmacology of prazosin. **05**  
(c) Write a note on centrally acting muscle relaxants. **05**
- Q.3** (a) Classify parasympatholytics and describe the pharmacology of atropine. **06**  
(b) Write the pharmacological effects and uses of  $\beta$  blockers. **05**  
(c) Describe mode of action and therapeutic uses of local anaesthetics. **05**
- Q.4** (a) Write pathophysiology, risk factors, complications, and treatment of Hepatitis - B. **06**  
(b) Write a note on management of diarrhoeas. **05**  
(c) Write in brief about antiemetic drugs. **05**
- Q.5** (a) Classify antihistamines and give its pharmacological action and therapeutic uses. **06**  
(b) Classify different types of 5-HT receptors with examples of agonists and antagonists. **05**  
(c) Classify laxatives. Write in brief about osmotic and bulk laxatives. **05**
- Q.6** (a) Explain the pathogenesis of asthma. Write differences between Bronchial asthma and COPD. **06**  
(b) Describe types of glaucoma and its pathophysiology in detail. **05**  
(c) Describe pharmacological actions of prostaglandins. **05**
- Q.7** (a) Describe etiology and management of peptic ulcer disease. **06**  
(b) Define Inflammatory Bowel Disease and write a note on ulcerative colitis. **05**  
(c) Write a note on antitussive agents. **05**

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