

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharm - SEMESTER-V- (NEW SYLLABUS) EXAMINATION – SUMMER-2015****Subject Code:2250005****Date:06/05/2015****Subject Name: Pharmacology and Pharmacotherapeutics-I****Time: 2:30 pm to 5:30 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) Write the difference between COPD and Asthma. Explain management of COPD based on GOLD guideline. **06**
- (b) Classify cholinergic agents. Write the therapeutic uses of cholinergic blocking drugs. **05**
- (c) Classify local anesthetics. Discuss mechanism of action, pharmacological action and adverse effect of procaine. **05**
- Q.2** (a) Classify H₁ receptor antagonist with examples. Explain the mechanism of action & therapeutic uses of antihistamines. **06**
- (b) Write a short note on antiemetics. **05**
- (c) Describe neurohumoral transmission. **05**
- Q.3** (a) Write pathophysiology, risk factors, diagnosis and treatment of Hepatitis B. **06**
- (b) Differentiate competitive and non-competitive antagonism with suitable examples. **05**
- (c) Write the classifications of adrenergic blocking drugs. Discuss the Mechanism of actions and Therapeutic uses of Adrenaline. **05**
- Q.4** (a) Explain the pathogenesis behind peptic ulcer disease. Discuss proton pump inhibitors. **06**
- (b) Write therapeutic uses of prostaglandin analogues. **05**
- (c) Write a note on Beta Blockers. **05**
- Q.5** (a) Describe types of glaucoma and its pathophysiology in detail. **06**
- (b) Classify laxatives. Write in brief about Osmotic and Bulk laxatives. **05**
- (c) Write a short note on expectorants. **05**
- Q.6** (a) Write the difference between Crohn's disease and Ulcerative colitis. Explain etiology and sign and symptoms of inflammatory bowel disease. **06**
- (b) Enumerate pharmacological actions and side effect of Atropine. **05**
- (c) Write a note on centrally acting muscle relaxants. **05**
- Q.7** (a) Write pathophysiology, risk factors and diagnosis of Asthma. **06**
- (b) Classify different types of 5-HT receptors with examples of agonists and antagonists. **05**
- (c) Write pharmacology of angiotensin. **05**
