

GUJARAT TECHNOLOGICAL UNIVERSITY**B.PHARM. - SEMESTER- V • EXAMINATION – SUMMER-2016****Subject Code: 2250005****Date:10/05/2016****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) Classify sympathomimetics by different ways. Explain their pharmacological actions. **06**
- (b) Discuss pharmacological actions and therapeutic uses of β receptor blocking agents. **05**
- (c) Write a note on ganglion stimulants along with the names of drugs involved in this class. **05**
- Q.2** (a) Write a detailed note on antihistaminics. **06**
- (b) Write about 5-HT antagonists. **05**
- (c) Discuss physiological actions and therapeutic uses of prostaglandins. **05**
- Q.3** (a) Write about organization of ANS along with the synthesis and transmission of its neurotransmitters. **06**
- (b) Classify parasympathomimetic drugs. Explain their mechanism of action. **05**
- (c) Discuss complete pharmacology of cholinergic blocking agents. **05**
- Q.4** (a) Define COPD. Add a note on its etiology, diagnosis, symptoms and management. **06**
- (b) Discuss various pathophysiological aspects of peptic ulcer disease. **05**
- (c) Explain various pathophysiological aspects of hepatitis. **05**
- Q.5** (a) Discuss complete pharmacology of D-tubocurarine. **06**
- (b) Define & classify local anaesthetics. Discuss its general characteristics & mechanism of action. **05**
- (c) Write about synthesis and pharmacological actions of histamine. **05**
- Q. 6** (a) What is CTZ? Classify antiemetics. Write about any one drug of this class. **06**
- (b) Define and classify laxatives & purgatives. Write their therapeutic uses. **05**
- (c) Discuss etiology, diagnosis, symptoms & treatment of inflammatory bowel disease. **05**
- Q.7** (a) Discuss pharmacology of angiotensin and bradykinin. **06**
- (b) Write difference between centrally and peripherally acting muscle relaxants. **05**
- (c) Write a note on expectorants. **05**
