

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 5- EXAMINATION –WINTER - 2018**Subject Code:2250005****Date: 01/12/2018****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 treatment of insecticide poisoning. **06**
(b) Describe pharmacological actions and uses of Prostaglandin. **05**
(c) Discuss epidemiology, pathophysiology and diagnosis of hepatitis. **05**
- Q.2** (a) Discuss drug therapy for migraine. **06**
(b) Classify antiemetic drugs. Discuss mechanism of prokinetic drugs. **05**
(c) Write a note on antitussive agents. **05**
- Q.3** (a) Classify H₁ blocker drugs. Describe its pharmacological actions and uses. **06**
(b) Discuss neurohumoral transmission of Adrenergic system. **05**
(c) Describe pathophysiology, symptoms and management of peptic ulcer. **05**
- Q.4** (a) Classify Sympathomimetics. Discuss Dale's vasomotor reversal actions. **06**
(b) Discuss pharmacological actions of histamine. **05**
(c) Write about synthesis of 5-HT. Write a note on 5-HT receptors. **05**
- Q.5** (a) Classify local anesthetic drugs. Explain mechanism of Lidocaine. **06**
(b) Classify laxatives and purgatives. Write note on osmotic purgatives. **05**
(c) Discuss complete pharmacology of atropine. **05**
- Q. 6** (a) Classify peripherally acting skeletal muscle relaxants. Explain their mechanism of action. **06**
(b) Write about pathophysiology and treatment of open-angle glaucoma. **05**
(c) Write about etiology, pathophysiology and treatment of GERD. **05**
- Q.7** (a) Classify sympatholytics. Discuss therapeutic uses of β -blocker drugs. **06**
(b) Describe pathophysiology and treatment of bronchial asthma. **05**
(c) Write a note on ganglionic stimulants. **05**
