

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM. - SEMESTER- V EXAMINATION – WINTER -2020**

**Subject Code:2250005****Date: 13/01/2021****Subject Name: Pharmacology and Pharmacotherapeutics - I****Time: 10:30AM TO 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q.1** (a) Define neurohumoral transmission. Write a note on adrenergic transmission. **06**  
(b) Write a note on muscarinic receptors. **05**  
(c) Comment on followings: **05**  
(i) Parasympathetic system is excitatory and sympathetic system is inhibitory in nature.  
(ii) Neostigmine is used in atropine poisoning.
- Q.2** (a) Classify anticholinergics. Write its therapeutic uses and adverse effects. **06**  
(b) Write pharmacology of atenolol. **05**  
(c) Classify skeletal muscle relaxants. Write a note on centrally acting muscle relaxants. **05**
- Q.3** (a) Classify sympathomimetics. Write therapeutic uses of adrenaline. **06**  
(b) Classify local anaesthetics. Write its mechanism of action and therapeutic uses. **05**  
(c) Write pharmacological actions of Histamine. **05**
- Q.4** (a) Write pathophysiology and management of asthma. **06**  
(b) Classify anti-emetics. Write pharmacology of prokinetic drugs. **05**  
(c) Explain pathophysiological role of prostaglandins. **05**
- Q.5** (a) Write pathophysiology and management of ulcerative colitis. **06**  
(b) Explain pathophysiology, diagnosis and complications of Glaucoma. **05**  
(c) Write therapeutic uses of H<sub>1</sub> Antagonists. **05**
- Q.6** (a) Write a note on laxatives. **06**  
(b) Explain pharmacology of expectorants. **05**  
(c) Write symptoms, diagnosis and management of peptic ulcer. **05**
- Q.7** (a) Classify 5-HT antagonists. Write its role in migraine. **06**  
**OR**  
(a) Write a note on antitussive agents. **06**  
**OR**  
(a) Write a note on rehydration therapy. **06**

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