

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 5 EXAMINATION – SUMMER -2020

Subject Code:2250005**Date: 29-10-2020****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 about type, locations and secondary messengers of muscarinic receptors. **06**
(b) Classify Antihistaminics. Discuss their pharmacological actions. **05**
(c) Classify anti-emetics. Discuss pharmacology of Domperidone. **05**
- Q.2** (a) Classify Drugs used for treatment of Asthma. Discuss pharmacology of Salbutamol. **06**
(b) Write a note on pharmacology of beta blockers. **05**
(c) Discuss pharmacological action of angiotensin. **05**
- Q.3** (a) Discuss etiology, pathology and treatment of Inflammatory Bowel Disease. **06**
(b) Discuss pharmacological actions and therapeutic uses of prostaglandin. **05**
(c) Explain organophosphorus poisoning. Describe its treatment. **05**
- Q.4** (a) Differentiate Asthma and COPD. Write a note on management of COPD. **06**
(b) Classify local anesthetics. Discuss mechanism of action, pharmacological action and adverse effect of lignocaine. **05**
(c) Write a note on 5-HT antagonists. **05**
- Q.5** (a) Describe pathogenesis of peptic ulcer disease. Discuss pharmacology of proton pump inhibitors. **06**
(b) Write a note on anticholinesterase. **05**
(c) Write in brief about osmotic and bulk laxatives. **05**
- Q.6** (a) Write pathophysiology, risk factors, diagnosis and treatment of Hepatitis B. **06**
(b) Write about biosynthesis and pharmacological actions of Histamines. **05**
(c) Explain Dale's vasomotor reversal phenomenon. **05**
- Q.7** (a) Describe types of glaucoma and its pathogenesis in detail. **06**
(b) Classify muscarinic agonists and write their therapeutic uses. **05**
(c) Discuss pharmacology of dextromethorphan. **05**
