

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 5 EXAMINATION – WINTER -2019

Subject Code: 2250005**Date: 26-11-2019****Subject Name: Pharmacology and Pharmacotherapeutics-I****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|-------------|--|-----------|
| Q.1 | (a) Describe in detail excitatory neurotransmitters | 06 |
| | (b) Classify anti-histaminic drugs and explain cetirizine in detail | 05 |
| | (c) Describe risk factors and pathophysiology of asthma | 05 |
| Q.2 | (a) Classify anti-cholinesterase and discuss the management of anti-cholinesterase poisoning | 06 |
| | (b) Describe pharmacological and pathophysiological actions of serotonin | 05 |
| | (c) Discuss etiology and pathophysiology of GERD | 05 |
| Q.3 | (a) Discuss action, Pathophysiological roles and uses of prostaglandins | 06 |
| | (b) Describe the pharmacological actions of atropine | 05 |
| | (c) Describe uses and techniques of local anesthetics | 05 |
| Q.4 | (a) Write location,function, mechanism, specific agonist and antagonist of adrenergic receptors | 06 |
| | (b) Discuss pathophysiology and management of inflammatory bowel disease | 05 |
| | (c) Classify drugs used in cough. Write a note on antitussive drugs | 05 |
| Q.5 | (a) Write the classification of sympathomimetic drugs | 06 |
| | (b) Discuss causes and diagnosis of different types of hepatitis | 05 |
| | (c) Classify laxatives and discuss bulk purgatives. | 05 |
| Q. 6 | (a) Classify skeletal muscle relaxants and Write a note on succinylcholine | 06 |
| | (b) Differentiate asthma and COPD | 05 |
| | (c) Discuss pathophysiology and management of glaucoma | 05 |
| Q.7 | (a) Describe in detail etiology, pathophysiology and diagnosis of peptic ulcer | 06 |
| | (b) Write a note on metoclopramide | 05 |
| | (c) Explain the mechanism of action of following drugs: 1) α -methyl dopa | 05 |
| | 2) Salbutamol | |
| | 3) Cocaine | |
| | 4) Lignocaine | |
| | 5) Famotidine | |
