

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.

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| 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 |
