

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER– V • EXAMINATION – SUMMER - 2017

Subject Code: 2250005

Date: 14/06/2017

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.

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| Q.1 | (a) Classify parasympathomimetics. Discuss the mechanism of actions and therapeutic uses of cholinergic drugs. | 06 |
| | (b) Write a short note on sympathetic transmission. | 05 |
| | (c) Write a note on treatment of organophosphorous poisoning. | 05 |
| Q.2 | (a) Classify sympathomimetic drugs. Write the mechanism of action and therapeutic applications of adrenergic drugs. | 06 |
| | (b) Describe pharmacology of prazosin. | 05 |
| | (c) Write a note on centrally acting muscle relaxants. | 05 |
| Q.3 | (a) Classify parasympatholytics and describe the pharmacology of atropine. | 06 |
| | (b) Write the pharmacological effects and uses of β blockers. | 05 |
| | (c) Describe mode of action and therapeutic uses of local anaesthetics. | 05 |
| Q.4 | (a) Write pathophysiology, risk factors, complications, and treatment of Hepatitis - B. | 06 |
| | (b) Write a note on management of diarrhoeas. | 05 |
| | (c) Write in brief about antiemetic drugs. | 05 |
| Q.5 | (a) Classify antihistamines and give its pharmacological action and therapeutic uses. | 06 |
| | (b) Classify different types of 5-HT receptors with examples of agonists and antagonists. | 05 |
| | (c) Classify laxatives. Write in brief about osmotic and bulk laxatives. | 05 |
| Q.6 | (a) Explain the pathogenesis of asthma. Write differences between Bronchial asthma and COPD. | 06 |
| | (b) Describe types of glaucoma and its pathophysiology in detail. | 05 |
| | (c) Describe pharmacological actions of prostaglandins. | 05 |
| Q.7 | (a) Describe etiology and management of peptic ulcer disease. | 06 |
| | (b) Define Inflammatory Bowel Disease and write a note on ulcerative colitis. | 05 |
| | (c) Write a note on antitussive agents. | 05 |
