

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm - SEMESTER-V • EXAMINATION – SUMMER-2018

Subject Code: 2250005

Date: 23/05/2018

Subject Name: Pharmacology & Pharmacotherapeutics-I

Time: 02:30PM TO 05:30PM

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) | Discuss epidemiology, pathophysiology and diagnosis of hepatitis. | 06 |
| | (b) | Classify cholinergic agents. Write the therapeutic uses of cholinergic blocking drugs. | 05 |
| | (c) | Write pharmacological actions of histamine. | 05 |
| Q.2 | (a) | Write about organization of ANS along with synthesis and transmission of its neurotransmitters. | 06 |
| | (b) | Define and classify local anesthetics. Discuss its general characteristics and mechanism of action. | 05 |
| | (c) | Classify laxatives. Write in brief about osmotic and bulk laxatives. | 05 |
| Q.3 | (a) | Classify parasympatholytics. Write symptoms of atropine poisoning. | 06 |
| | (b) | Discuss pathogenesis of peptic ulcer disease. | 05 |
| | (c) | Detail on emetics and anti-emetics. | 05 |
| Q.4 | (a) | Classify Sympathomimetic by different ways. Explain their pharmacological actions. | 06 |
| | (b) | Classify Parasympathomimetic drugs. Explain their mechanism of action. | 05 |
| | (c) | Write about 5-HT antagonists. | 05 |
| Q.5 | (a) | Write the difference between COPD and Asthma. Explain management of COPD based on GOLD guidelines. | 06 |
| | (b) | Write a short note on expectorants. | 05 |
| | (c) | Explain Dale's vasomotor reversal phenomenon. | 05 |
| Q.6 | (a) | Differentiate between depolarizing and non-depolarizing blockers. | 06 |
| | (b) | Write about management and treatment of open-angle glaucoma. | 05 |
| | (c) | Discuss pharmacological actions and therapeutic uses of β -receptor blocking agents. | 05 |
| Q.7 | (a) | Write pathophysiology, risk factors and diagnosis of Asthma. | 06 |
| | (b) | Discuss organophosphorous poisoning symptoms and its treatment. | 05 |
| | (c) | Write etiology and management of GERD. | 05 |