

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER-V EXAMINATION – WINTER-2016

Subject Code: 2250005

Date: 02/12/2016

Subject Name: Pharmacology and Pharmacotherapeutics I

Time: 10.30 am – 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.

- Q.1** (a) Classify antihistaminics. Discuss its pharmacological actions & adverse effects. **06**
(b) Discuss pharmacological and pathophysiological actions of 5-HT. **05**
(c) Outline biosynthesis of prostaglandins. Explain its pharmacological actions and therapeutic uses. **05**
- Q.2** (a) Discuss complete pharmacology of β -adrenergic blocking agents. **06**
(b) Classify sympathomimetic drugs according to their therapeutic uses. Add a note on amphetamine. **05**
(c) Differentiate between following : **05**
1. Autonomic and somatic nervous system.
2. Sympathetic and Parasympathetic nervous system.
- Q.3** (a) Classify peripherally acting skeletal muscle relaxants. Explain their mechanism of action. **06**
(b) Classify local anesthetics. Write about adverse effects, uses & techniques of local anesthesia. **05**
(c) Give an account on pharmacology of ondansetron. **05**
- Q.4** (a) Write about synthesis, storage, uptake & metabolism of catecholamines. **06**
(b) Discuss complete pharmacology of antidiarrhoeal drugs with special emphasis on ORT. **05**
(c) Write a note cholinergic receptors. **05**
- Q.5** (a) Discuss pharmacological actions of acetylcholine on heart, blood vessels, eye & skeletal muscle. **06**
(b) Write about anticholinesterases. **05**
(c) Explain therapeutic uses of atropine. **05**
- Q. 6** (a) Explain pathogenesis of bronchial asthma. **06**
(b) Write symptoms, diagnosis & treatment of peptic ulcer disease. **05**
(c) Write a note on ganglionic stimulants. **05**
- Q.7** (a) Discuss epidemiology, pathophysiology and diagnosis of hepatitis. **06**
(b) Write about management and treatment of open-angle glaucoma. **05**
(c) Define antitussives. Enlist drugs used for this purpose & describe any one drug. **05**
