

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm., Winter 2017-18 Examination

Semester: 4
Subject Code: 08101255
Subject Name: Pharmacology-I

Date: 26/12/2017
Time: 2:00pm to 5:00pm
Total Marks: 75

Instructions:

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)

1. Discuss the Synthesis, storage and fate of released Acetylcholine at cholinergic nerve ending.
2. Discuss pathophysiology of peptic ulcer disease and write its treatment methods.
3. Classify anticholinergic agents. Discuss the pharmacology of atropine

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)

1. Classify 5-HT receptors with examples of its agonists and antagonists.
2. Discuss the types and characteristics of nicotinic and muscarinic receptors.
3. Write a note on expectorants.
4. Discuss about Nitric oxide .
5. Define laxative and purgative. Write their therapeutic uses.
6. Discuss Dale's vasomotor reversal.
7. Write a note on antitussive agents.
8. Describe synthesis of prostaglandins .
9. Write the comparative features between Physostigmine and Neostigmine.

Q.3 Answer in short. (2 marks each) (20)

1. Discuss adrenergic receptors briefly.
2. Classify antiemetics
3. Discuss advantages of second generation H1 blockers
4. Discuss the role of endothelins briefly.
5. Define antacids and give examples.
6. Discuss importance of ORS
7. Classify local anaesthetics.
8. Define carminatives and digestants.
9. Give examples of reversible and irreversible cholinesterases.
10. Write therapeutics uses of beta blockers.