

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. winter 2018-19 Examination

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

Date: 03/11/2018
Time: 02:00 pm to 5:00 pm
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. Write down pharmacological actions of adrenergic drugs.
2. Write down mechanism of action of anticholinesterases and treatment of anticholinesterase poisoning.
3. Write down pharmacological actions and pathophysiological roles of Histamine.

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

1. Write down pharmacological actions of atropine on CVS, CNS, BP and body temperature.
2. Write down mechanism of action of Local anaesthetics.
3. Write a short note on gene therapy.
4. Write down synthesis and storage of Acetylcholine.
5. Write down in detail about proton pump inhibitors.
6. Describe pharmacological actions of Methylxanthines.
7. Write down pharmacological actions of 5-HT.
8. Write down general effects of Alpha blockers.
9. Write down biosynthesis of prostaglandins and leukotrienes.

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

1. Classify Antiulcer drugs.
2. Write down receptor type, main locations and functions of muscarinic receptors subtypes.
3. Write down pharmacological action of Acetylcholine on Heart.
4. Write in brief about Amphetamines.
5. Write down classification of Beta adrenergic blockers.
6. Define:- (i) Antitussive (ii) Expectorant.
7. Define:- (i) Achlorhydia (ii) Laxative.
8. Classify anticholinergic drugs.
9. Classify 5HT receptors subtypes along with their location.
10. Explain in brief about Atenolol.