

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

Semester: 3
Subject Code: 08101205
Subject Name: Pathophysiology & Pharmacology

Date: 20/12/2017
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. Classify various Routes of drug administration and advantage disadvantage of oral and parental route?
2. Describe in detail Hypersensitivity Type II and Type III reaction?
3. Describe the Pathophysiology of Acute and Chronic Inflammation?

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

1. Describe different mechanisms of cell injury.
2. Write the pathophysiology of apoptosis.
3. Write a note on factors affecting absorption.
4. What is Metabolism? Give Special Emphasis on Phase-I and Phase-II Metabolic reactions.
5. Write a note on open channels and gated channels.
6. What is Biological membrane? Write the mechanism of drug transportation.
7. Describe various Target of drug action.
8. Describe various sources of drugs with suitable examples.
9. Write a note on G-protein coupled receptor

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

1. SLE
2. Nuclear receptor
3. Synergism and Antagonism
4. Bioavailability
5. Hypersensitivity Type-I
6. Volume of distribution
7. Plasma half life and Clearance
8. Drug antagonism
9. Hyperplasia
10. Amyloidosis