

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

Semester: 6**Subject Code: 08101351****Subject Name: Pharmaceutical Chemistry VII (Medicinal Chemistry II)****Date: 29/10/2018****Times: 10: am to 01:00pm****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. Define and classify H₁ receptor antagonist with suitable example. Discuss the SAR of Classical anti-histaminic.
2. Classify Sedative and Hypnotics with suitable Examples. Discuss SAR of Barbiturates. Give synthesis of Lignocaine.
3. What are NSAIDs? Classify them with two examples from each class. Write synthesis of Ibuprofen.

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

1. Discuss SAR of Tricyclic antidepressant.
2. Write a note on Oral hypoglycemic drugs.
3. Write SAR of Phenothiazine class of antipsychotics.
4. Discuss factors affecting Drug metabolism.
5. Give a detail note on Eicosanoids biosynthesis.
6. What is Alzheimer's disease? Discuss its treatment.
7. Classify Local anesthetics with suitable examples.
8. Write a short note on General anesthetic agents.
9. What is Epilepsy? Give chemical classification of Anti-epileptics.

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

1. Explain different types of seizures.
2. Give uses of Phenytoin and Amphetamine.
3. Explain Anxiolytics with example.
4. Differentiate: Phase I reactions Vs Phase II reactions
5. Write synthesis of Cetirizine.
6. Define the following terms:
 1. Analeptics
 2. Hallucinogens
7. Differentiate: COX-I enzyme Vs COX-II enzymes
8. Explain Anti-migraine agent.
9. Enlist Eicosanoids approved for human clinical use.
10. Why Carbidopa is suggested with L-dopa in Parkinson's disease.