

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

Semester: 6**Subject Code: 08101351****Subject Name: Pharmaceutical Chemistry-VII (Medicinal Chemistry-II)****Date: 02/04/2019****Time: 10:00 am to 01:00 pm****Total Marks: 75****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

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

1. Classify Antidepressant agents. Write a SAR of Tricyclic Antidepressant.
2. Write a classification of Sedative & Hypnotic agents. Write SAR of 1,4 Benzodiazepines.
3. Give the classification of Non Steroidal Anti-Inflammatory agents. Write synthesis of Cetrizine.

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

1. Write a short note on Oral hypoglycemic drugs.
2. Write a short note on eicosanoid approved for human clinical use.
3. Give a brief note on an Alzheimer's disease.
4. Write synthesis of Imipramine.
5. Write synthesis of Phenytoin.
6. Write SAR of H-1 antagonists.
7. Write a short note on Factor affecting drug metabolism.
8. Write synthesis of Thiopental sodium.
9. Write a brief note on a CNS stimulant drugs.

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

1. Write synthesis of Lignocaine.
2. Write mechanism of action of Anticonvulsants.
3. Write synthesis of Promethazine.
4. Define and explain Hallucinogens.
5. Define and explain Xenobiotics.
6. Draw any one structure of H₂ receptor antagonist.
7. Write mechanism of action of Methylxanthine.
8. Write synthesis of Paracetamol.
9. Draw the cycle of CYP 450.
10. Draw the structure of Amphetamine & Aspirin.