

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

Semester: 6

Subject Code: 08101351

Subject Name: Pharmaceutical Chemistry-VII (Medicinal Chemistry-II)

Date: 15/05/2018

Time: 10:00 am to 1:00 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)

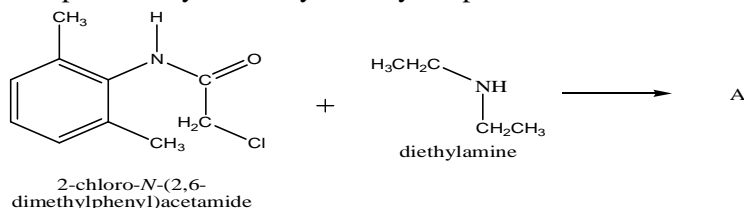
1. Define Sedative and Hypnotics and classify them with structure. Write synthesis of Thiopental sodium.
2. Classify Non Steroidal Anti-Inflammatory agents with structure. Write synthesis of Aspirin.
3. Classify Tricyclic Antidepressant with structure. Write SAR of Dibenzazepines.

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

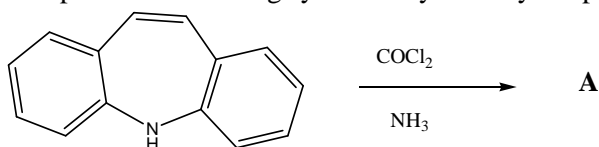
1. Write a brief note on an Alzheimer's disease.
2. Write SAR of 1,4 Benzodiazepines.
3. Write a short note on a Eicosanoids approved for human clinical use.
4. Give a brief overview of CYP450.
5. Classify CNS stimulants with mechanism of action of Methylxanthine.
6. Write SAR of Barbiturates.
7. Write a SAR of Benzoic Acid derivatives of local anesthetics.
8. Write synthesis of Imipramine.
9. Write SAR of Phenothiazines.

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

1. Complete the synthesis by identify the product A



2. Write any two differences between Parkinson's disease and Alzheimer's disease.
3. Enlist factors affecting drug metabolism.
4. Write synthesis of Diazepam.
5. Write synthesis of Chlorcyclizine.
6. Give a brief note on Oral hypoglycemic drugs.
7. Write synthesis of Paracetamol.
8. Complete the following synthesis by identify the product A



9. Explain four stages of anesthesia in brief.
10. Complete the following synthesis by identify the product A.

