

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHARMACY

Pharm. D Supplementary Examination November 2017

Year: 3

Subject Code: 08207305

Subject Name: Medicinal Chemistry

Date: 14/11/2017

Time: 10:00 am to 1:00 pm

Total Marks: 70

Instructions

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (Any 2 out of 3) (15 Mark Each)

1. Give a brief introduction to Quantitative Structure Activity Relationship and brief note on computer aided drug design (CADD). **(30)**
2. Give details classification of drugs acting on Cardiovascular system, give synthesis of any one calcium channel blocker, and mechanism of action of Antiarrhythmic agents.
3. Give classification, mechanism of action, and SAR of penicillin.

Q.2 Short Essay Type Questions. (Any 4 out of 5) (5 Mark Each)

1. Write classification of Antimalarial agents. **(20)**
2. Give a brief account on Hypoglycemic agents.
3. Give a brief note on Coagulants and Anticoagulants.
4. Give a brief note on Anthelmintic agents.
5. Give mechanism of action, pharmacokinetics, and adverse drug reaction of Metronidazole.

Q.3 Short Answers. (2 Mark Each)

1. Give synthesis of any one Antitubercular agent. **(20)**
2. Define Local anti-infective agents.
3. Explain in brief Preservatives.
4. Explain Antipedicular agents in brief.
5. Explain Diagnostic agents in brief.
6. Write mechanism of action of Atorvastatin.
7. Write pharmacological action of Thyroid hormone.
8. Write short notes on Antifungal agents.
9. Write use and side effects of Co-Trimoxazole.
10. Write mechanism of action of thyroid hormones.