

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

Semester: 7**Subject Code: 08101401****Subject Name: Pharmaceutical Chemistry-IX (Medicinal Chemistry-III)****Date: 22/04/2019****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. Write classification and SAR of penicillin.
2. Write chemical classification and SAR of anti-malarial agents in detail.
3. Write a note on alkylating agents for treatment of cancer with synthesis of Thiotepea.

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

1. Write brief note on nitroimidazole derivative use as antiprotozoal agent.
2. Explain first line and second line agents use in Tuberculosis treatment.
3. Write Antimetabolite agents use in treatment of cancer.
4. Write SAR of sulphonamide.
5. Explain SAR of Tetracycline.
6. Discuss Thrombolytic agent in detail.
7. Discuss Nomenclature of Steroids in detail.
8. Write short note on azole antifungal agents.
9. Write SAR of Fluoroquinolone.

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

1. Outline synthesis of warfarin.
2. Discuss anti-thyroid agents in brief.
3. Explain chemistry of Macrolide in brief.
4. Outline synthesis of Methotrexate.
5. Draw any two structure of NNRTI use as anti-viral agent.
6. Write synthesis of Chloramphenicol.
7. Discuss anti-leprotic agents in brief.
8. Outline synthesis of Isoniazide.
9. Discuss SAR of aminoglycoside in brief.
10. Discuss anti-platelets agents in brief.