

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D., May-2018 Examination

Year: 3**Subject Code: 08207305****Subject Name: Medicinal Chemistry****Date: 16/05/2018****Time: 10:00 am to 1:00 pm****Total Marks: 80****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)**(30)**

1. Classify anti-cancer drugs. Explain the mechanism of alkylating agents
2. Explain QSAR studies in detail.
3. a) Classify antihypertensive agent and write the synthesis of Hydralazine.
b) Discuss Mechanism of action of captopril.

Q.2 Long Answers (any 4 out of 5) (05 Mark Each)**(20)**

1. Explain SAR of Cephalosporin
2. Write a note on anti-protozoal agents.
3. Write short note on Hypoglycemic agents.
4. Classify antiviral agents with two structure of each category.
5. Write a note on azole anti-fungal agents.

Q.3 Short Answers (2 Mark Each)**(20)**

1. Discuss Anti-thyroid agent in brief.
2. Write a notes on Mineralocorticoids.
3. Write the structure and uses of any two diagnostic agents.
4. Explain the mechanism of action of fluroquinolones.
5. Write the synthesis of Metronidazole.
6. Write the structure and uses of Clofibrate and Dicoumerol.
7. Write brief note on first line Anti-TB agents.
8. Give the structures of any two calcium channel blockers.
9. Discuss general structure of thiazide diuretics.
10. Explain the mechanism of action of Sulphonamides.