

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**Pharm.D., November 2019 Examination**

**Year: 3****Subject Code: 08207305****Subject Name: Medicinal Chemistry****Date: 29-11-2019****Time: 10:00 am to 01:00 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) (30)**

1. Write a detailed note on computer aided drug design (CADD) with examples.
2. Classify Antihypertensive agents. Write mechanism of action of Antiarrhythmic agents and Antihyperlipidemic agents.
3. Give a classification and mechanism of action of Antibiotics.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)**

1. Write short note on Antiviral agents and Anti AIDS agents.
2. Write SAR of 4-Aminoquinoline derivatives.
3. Give classification of the Antineoplastic agents.
4. Give a short note on Hypoglycemic agents.
5. Write a short note on thyroid and antithyroid agents.

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

1. Write mechanism of action of thiazide diuretics.
2. Enlist any two Anthelmintics agents with structure.
3. Write mechanism of action of Urinary tract anti-infective.
4. Enlist some Diagnostic agents.
5. Write synthesis of Warfarin.
6. Enlist some Steroidal Hormones and Adrenocorticoids.
7. Enlist any two Antitubercular agents. Draw the structure of any one compound.
8. Write mechanism of action of the sulfonamides.
9. Enlist some Local anti-infective agents.
10. Enlist some Antipedicular agents.