

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

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

**Year: 2**

**Subject Code: 08207204**

**Subject Name: Pharmacology - I**

**Date: 14/05/2018**

**Time: 2:00pm to 5:00pm**

**Total Marks: 70**

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**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. What are autacoids? Describe the biosynthesis of Prostaglandins and leukotrienes. Write the therapeutic uses and example of COX-I and COX-2 inhibitors.
2. Describe Biosynthesis of catecholamines. Classify adrenoceptors & sympathomimetic drugs.
3. Classify types of cardiac arrhythmias and Anti-arrhythmic drugs. Give special emphasis on uses of  $\beta$ -blockers. Write a note on types of angina pectoris.

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

1. Write the mechanism of action of Local anesthetics.
2. Classify Antihypertensives with example. Write a note on  $\beta$  blockers and CCB.
3. Write a brief note on Stages and mechanism of action of General anesthesia.
4. Write a note on Thyroid and Antithyroid drugs
5. Describe the Synthesis Storage & Release of Insulin.

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

1. Therapeutic uses Propranolol.
2. Write a brief note on histaminergic receptors.
3. Classify 5-HT receptor.
4. Write a short note on adrenergic vasomotor reversal.
5. Define Acute, sub-acute and chronic toxicity.
6. Parkinsons disease.
7. Myasthenia gravis.
8. Drug interactions
9. Bronchodilators
10. Sedatives and hypnotics