

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

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**PHARM.D YEAR-2 EXAMINATION – WINTER-2019**

**Subject Code: 828806**

**Date: 27/11/2019**

**Subject Name: Pharmacotherapeutics-I**

**Time: 10:30 AM TO 01:30 PM**

**Total Marks: 70**

**Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- |            |   |           |
|------------|---|-----------|
| <b>Q.1</b> | <b>(a)</b> Write a note on Hormone replacement therapy.   | <b>06</b> |
|            | <b>(b)</b> Write a note premenstrual syndrome.  | <b>04</b> |
|            | <b>(c)</b> Write a note on Oral contraceptives.   | <b>04</b> |
| <b>Q.2</b> | <b>(a)</b> Explain long term complications and management of Diabetes mellitus.   | <b>06</b> |
|            | <b>(b)</b> Classify antithyroid drugs. Discuss mechanism and adverse reactions of Carbimazole.                                | <b>04</b> |
|            | <b>(c)</b> What are the disposing factors and clinical manifestations of osteoporosis?  | <b>04</b> |
| <b>Q.3</b> | <b>(a)</b> Classify anti-arrhythmic drugs. Describe the pharmacology of Quinidine.  | <b>06</b> |
|            | <b>(b)</b> Discuss the mechanism & therapeutic uses of Amlodipine & Atorvastatin.   | <b>04</b> |
|            | <b>(c)</b> Describe mechanism & therapeutic uses of digoxin.  | <b>04</b> |
| <b>Q.4</b> | <b>(a)</b> Explain pathophysiology of Arrhythmia.   | <b>06</b> |
|            | <b>(b)</b> Classify diuretics. Explain mechanism and uses of Spironolactone.  | <b>04</b> |
|            | <b>(c)</b> Write a note on Oral hypoglycemic agents.  | <b>04</b> |
| <b>Q.5</b> | <b>(a)</b> Describe various risk factors, pathophysiology and management of bronchial asthma.                                 | <b>06</b> |
|            | <b>(b)</b> Describe the pathophysiology of conjunctivitis.  | <b>04</b> |
|            | <b>(c)</b> Explain types, symptoms and pathogenesis of Glaucoma.  | <b>04</b> |
| <b>Q.6</b> | <b>(a)</b> Enlist various types of Angina pectoris. Describe symptoms & pathophysiology of it.                                | <b>06</b> |
|            | <b>(b)</b> Write a principle involved in concept of essential medicines and rational drug use.                                | <b>04</b> |
|            | <b>(c)</b> Classify antihypertensive drugs. Discuss Mechanism of action of $\alpha$ -Methyl dopa.                             | <b>04</b> |
| <b>Q.7</b> | <b>(a)</b> Discuss the general principles and goals of Geriatric drug therapy.  | <b>06</b> |
|            | <b>(b)</b> What are the general guidelines for drug prescribing to paediatric patients?                                       | <b>04</b> |
|            | <b>(c)</b> Discuss the management of following conditions during pregnancy- Anaemia and Pregnancy Induced Hypertension (PIH). | <b>04</b> |

\*\*\*\*\*