

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-2 EXAMINATION – SUMMER-2023

Subject Code: 828806**Date: 30\06\2023****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.

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| Q.1 | (a) Write a note on Hormone replacement therapy in detail. | 06 |
| | (b) Describe mechanism & therapeutic uses of digoxin. | 04 |
| | (c) Discuss the general principles and goals of Geriatric drug therapy. | 04 |
| Q.2 | (a) Write pathophysiology, diagnosis and treatment of osteoporosis. | 06 |
| | (b) Discuss the management of various types of Arrhythmia. | 04 |
| | (c) What is Pulmonary function test? Discuss various lung volumes. | 04 |
| Q.3 | (a) Classify Hypertension. Write pathophysiology, diagnosis and management of hypertension. | 06 |
| | (b) Draw algorithm for the management of asthma. | 04 |
| | (c) Write a note on Insulin secretagogues. | 04 |
| Q.4 | (a) Write a note on dose calculation in pediatrics and discuss pharmacokinetic factors to be considered in drug therapy. | 06 |
| | (b) Write a note on Oral contraceptives. | 04 |
| | (c) Classify anti-hyperlipidemic agents. Write mechanism and uses of HMG Co-A reductase inhibitors. | 04 |
| Q.5 | (a) Describe pathophysiology, symptoms and diagnosis coronary heart disease. Introduce surgical interventions in brief. | 06 |
| | (b) Describe in detail chronic complications of diabetes mellitus. | 04 |
| | (c) Describe risk factors, diagnosis and treatment of COPD. | 04 |
| Q. 6 | (a) Discuss pathogenesis and treatment of Opened angle Glaucoma. | 06 |
| | (b) Describe the pathophysiology of conjunctivitis. | 04 |
| | (c) Write the mechanism of following drugs: | 04 |
| | (i) Glyceryl trinitrate | |
| | (ii) Carbimazole | |
| | (iii) Spironolactone | |
| | (iv) Streptokinase | |
| Q.7 | (a) Write etiology, symptoms, and management of hypothyroidism. | 06 |
| | (b) Write a note on essential drug concept and importance of rational drug therapy. | 04 |
| | (c) Discuss the management of following conditions during pregnancy- Anaemia and Pregnancy Induced Hypertension (PIH). | 04 |
