

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-2 EXAMINATION – SUMMER - 2025

Subject Code: 828806**Date: 14-05-2025****Subject Name: Pharmacotherapeutics-I****Time: 10:30 A.M. TO 1:30 P.M.****Total Marks: 70****Instructions:**

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

Q.1	(a) Explain etiology and pathophysiology of Hypertension	06
	(b) Describe clinical manifestations and treatment algorithm for chronic heart failure	04
	(c) Write risk factors and diagnostic tests of Angina Pectoris	04
Q.2	(a) Explain stepwise approach for management of Asthma	06
	(b) Write etiology and pathophysiology of Atrial fibrillation	04
	(c) Enlist drug induced pulmonary disease. Describe management of drug induced bronchospasm	04
Q.3	(a) Describe pharmacotherapy of Hyperlipidemia	06
	(b) Explain electrophysiology of Heart	04
	(c) Sketch treatment algorithm for Type 2 Diabetes Mellitus.	04
Q.4	(a) Describe pathophysiology and clinical manifestations of COPD	06
	(b) Illustrate treatment algorithm for Myocardial infarction	04
	(c) Explain different lung volume tests	04
Q.5	(a) Write a note on Hormone replacement therapy	06
	(b) Describe risk factors and pathophysiology of Osteoporosis	04
	(c) Describe complications associated with the use of Oral Contraceptive	04
Q.6	(a) Explain the general principles involved in therapy during Pregnancy in detail. How will you calculate the dose for the pediatric patient?	06
	(b) Write causes and clinical manifestations of Hypothyroidism	04
	(c) Describe various factors to be considered while prescribing the drugs in geriatrics	04
Q.7	(a) Describe pathophysiology and treatment algorithm for management of open angle glaucoma	06
	(b) Explain role of pharmacist in essential drug concept	04
	(c) Write clinical manifestations and treatment of bacterial conjunctivitis	04
