

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 8 EXAMINATION – WINTER -2024

Subject Code: 2280004**Date: 28-11-2024****Subject Name: Pharmacology and Pharmacotherapeutics – IV****Time: 02.30 PM TO 05.30 PM****Total Marks: 80****Instructions:**

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

Q.1	(a) Define Thrombosis. Write down sign-symptoms, pathophysiology and treatment of Thrombosis.	06
	(b) Classify Anemias. Write a note on Iron deficiency anemia.	05
	(c) Describe the Management of hypertensive emergencies.	05
Q.2	(a) Classify lipid lowering agents. Write note on HMG CoA reductase inhibitors.	06
	(b) Define arrhythmia. Describe pathophysiology of cardiac arrhythmias.	05
	(c) Write note on erectile dysfunctioning.	05
Q.3	(a) Classify hypertension write pathophysiology, diagnosis and management of hypertension.	06
	(b) Define obesity. Describe etiology, diagnosis and treatment of obesity.	05
	(c) Explain pharmacological actions, adverse effects and uses of Nitrates.	05
Q.4	(a) Classify Insulin preparations. Describe the mechanism of action and adverse effects of insulin.	06
	(b) Write pathophysiology, diagnosis and treatment of bone disorders.	05
	(c) Write a note on plasma expanders.	05
Q.5	(a) Enlist sign and symptoms of Congestive heart failure and discuss its pathophysiology.	06
	(b) Describe actions and uses of thyroid hormones.	05
	(c) Discuss drugs used as oxytocic and tocolytic agents.	05
Q.6	(a) Classify Calcium Channel Blockers. Mention the mechanism of action and uses of Verapamil.	06
	(b) Explain the pharmacology of radioactive iodine.	05
	(c) Describe the Mechanism of action and adverse effects of Sulfonylurea.	05
Q.7	(a) Classify anti-androgens. Write about mechanism of actions and medicinal uses of anti-androgens.	06
	(b) Classify Acute Renal Failure (ARF) based on etiology. Discuss its signs and symptoms and treatment.	05
	(c) Write a note on management of diabetic ketoacidosis.	05
