

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-2 EXAMINATION – WINTER - 2024

Subject Code: 828806**Date: 16-12-2024****Subject Name: Pharmacotherapeutics-I****Time: 02 : 30 PM TO 5 : 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.

- Q.1** (a) Write JNC 7 guideline of hypertension. Explain JNC hypertension guideline algorithm. **06**
- (b) Explain types of pulmonary function test with their significances. **04**
- (c) Describe the pathogenesis of conjunctivitis. **04**
- Q.2** (a) Discuss pathophysiology and management of COPD. **06**
- (b) Explain electrophysiology of heart. **04**
- (c) Enlist the merits and demerits of various contraceptives. **04**
- Q.3** (a) Discuss in detail complications involved in diabetes mellitus. **06**
- (b) Discuss the treatment objectives of hormonal replacement therapy in post - menopausal women. **04**
- (c) Mention NYHA classification of heart failure. Explain pathophysiology of heart failure. **04**
- Q.4** (a) Describe the clinical features, diagnosis, pathophysiology and treatment of osteoporosis. **06**
- (b) What is Thyroid Storm? Write a short note on thyrotoxicosis. **04**
- (c) Write short note on **04**
- i) DASH diet ii) Cardiac glycosides
- Q.5** (a) Mention categorization of drugs for pregnant and lactating mothers. Name any three safer antibiotics used during lactation. **06**
- (b) Discuss management and treatment algorithm of asthma. **04**
- (c) Enlist and describe the drug useful in the treatment of Glaucoma. **04**
- Q. 6** (a) Explain sign & symptoms and pharmacotherapy of angina. **06**
- (b) Explain the renal factor which affects on doses in geriatric patient? **04**
- (c) Give treatment of hyperlipidaemias. **04**
- Q.7** (a) Define rational drug. Explain the role of Pharmacist in rational drug formulations. **06**
- (b) Enumerate various factors that modify drug action. Explain how dose in children may calculate from adult dose? **04**
- (c) Explain pathophysiology of myocardial infarction (MI). **04**
