

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER-8 EXAMINATION – WINTER -2023**

**Subject Code: 2280004****Date: 08/12/2023****Subject Name: Pharmacology and Pharmacotherapeutics – IV****Time: 02.30 p.m. to 5.30 p.m.****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) Discuss the pathophysiology, clinical presentation and diagnosis of Angina Pectoris. Justify the use of Nitrates in treatment of Angina. **06**
- (b) Classify Acute Renal Failure (ARF) based on etiology. Discuss its signs and symptoms and treatment. **05**
- (c) Describe etiology, long term complications and management of Hypertension **05**
- Q.2** (a) Define Cardiac arrhythmia and describe the mechanism involved in various types of Arrhythmias **06**
- (b) Classify Anemias. Write a note on Iron deficiency anemia. **05**
- (c) Describe etiology, pathophysiology and complications of Thrombosis. **05**
- Q.3** (a) Enlist types of Menstrual cycle disorder. Explain Dysmenhorrea in detail. **06**
- (b) Classify Anticoagulants. Describe pharmacology of Warfarin **05**
- (c) Write a short note on: Fibrinolytic agents. **05**
- Q.4** (a) Discuss the mechanism of action, pharmacological actions and therapeutic uses of Oestrogens. **06**
- (b) Describe risk factors, pathophysiology and treatment of Obesity. **05**
- (c) Describe complications, treatment and management of Osteoporosis. **05**
- Q.5** (a) Classify Oral hypoglycemic drugs. Write a note on Dipeptidyl peptidase-4 inhibitors. **06**
- (b) Write a note on Hormonal contraceptives. **05**
- (c) Classify Lipid lowering agents. Write note on HMG CoA reductase inhibitors. **05**
- Q.6** (a) Enlist sign and symptoms of Congestive heart failure and discuss its pathophysiology. **06**
- (b) Discuss management of Erectile dysfunction. **05**
- (c) Define Haematinics and write a note on Vitamin B12. **05**
- Q.7** (a) Classify Antiplatelet drugs. Write down pharmacology of aspirin. **06**
- (b) Describe actions and uses of thyroid hormones. **05**
- (c) Write a note on Plasma expanders. **05**

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