

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. Pharm. – SEMESTER – VIII • EXAMINATION – WINTER • 2016**

**Subject Code: 2280004****Date: 28-11-2016****Subject Name: Pharmacology and Pharmacotherapeutics-IV****Time: 02:30 pm - 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) Classify Hypertension. Write pathophysiology, diagnosis and management of hypertension. **06**  
(b) Write short note on antifibrinolytics. **05**  
(c) Differentiate between symptoms of hyperthyroidism and hypothyroidism. **05**
- Q.2** Write mechanism of action for following drugs: **16**  
Glyceryl trinitrate; Streptokinase; Alendronate; Carbimazole;  
Sibutramine; Furosemide; Fenofibrate; Sitagliptin
- Q.3** (a) Classify lipid lowering agents. Write note on HMG CoA reductase inhibitors. **06**  
(b) Write short note on Hormonal contraceptives. **05**  
(c) Describe in detail chronic complications of diabetes mellitus. **05**
- Q.4** (a) Classify anemias. Write detailed note on Iron deficiency anemia. **06**  
(b) Write pathophysiology, diagnosis and treatment of bone disorders. **05**  
(c) Differentiate between Warfarin and Heparin. **05**
- Q.5** (a) Classify diuretics with examples. Write pharmacology of carbonic anhydrase inhibitors. **06**  
(b) Write etiology, pathophysiology and signs and symptoms of cardiac arrhythmias. **05**  
(c) Write note on management of acute renal failure. **05**
- Q. 6** (a) Describe in detail parathyroid disorders. **06**  
(b) Write etiology, signs and symptoms and treatment of angina pectoris. **05**  
(c) Discuss the drugs used as oxytocic and tocolytic agents. **05**
- Q.7** (a) Classify antiplatelet drugs and write their indications and adverse effects. **06**  
(b) Write in detail about pulmonary embolism. **05**  
(c) What is insulin resistance? Write pharmacology of drugs used as insulin releasers and insulin sensitizers. **05**

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