

Seat No.: _____

Enrolment No. _____

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.**

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|-------------|------------|--|-----------|
| 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:
Glyceryl trinitrate; Streptokinase; Alendronate; Carbimazole;
Sibutramine; Furosemide; Fenofibrate; Sitagliptin | 16 |
| 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 |
