

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – V • EXAMINATION – WINTER 2013

Subject Code: 250005

Date: 06-12-2013

Subject Name: Pharmacology - II

Time: 10.30 am - 01.30 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 antiepileptic drugs. Write in general mechanism of action of antiepileptics. | 06 |
| | (b) | What is angina pectoris? Write the pharmacology of Nitroglycerin. | 05 |
| | (c) | Write short note on Thrombolytics. | 05 |
| Q.2 | (a) | Classify hypnotics and sedatives. Write a note on Benzodiazepines. | 06 |
| | (b) | Explain the role of calcium channel blockers in the treatment of hypertension and arrhythmias. | 05 |
| | (c) | Write short note on gene based therapy. | 05 |
| Q.3 | (a) | Give two examples and uses of each of the following:- SSRIs, Potassium sparing diuretics and Haematinics. | 06 |
| | (b) | Justify the use of Carbidopa and COMT inhibitors with Levodopa. | 05 |
| | (c) | Write a note on pre-anesthetic medications. | 05 |
| Q.4 | (a) | Write mechanism of action and uses of MAO inhibitors. What is cheese reaction? | 06 |
| | (b) | Classify lipid lowering agents. Write a note on Fibrates. | 05 |
| | (c) | What is cardiotonic agent? Give example and its pharmacology in detail. | 05 |
| Q.5 | (a) | Write the advantages of atypical antipsychotics over typical antipsychotics. Briefly describe the pharmacology of Clozapine. | 06 |
| | (b) | Classify anticoagulants. Write a note on warfarin. | 05 |
| | (c) | Write short note on morphine poisoning and its treatment. | 05 |
| Q. 6 | (a) | Describe the role of excitatory neurotransmitters in CNS. | 06 |
| | (b) | Write the pharmacokinetics and chronic ill effects of ethyl alcohol. | 05 |
| | (c) | Write short note on anti-diuretics. | 05 |
| Q.7 | (a) | Write mechanism of action and uses of Buspirone, Disulfiram and Lithium. | 06 |
| | (b) | Mention the pharmacological actions and uses of Aspirin. | 05 |
| | (c) | Write short note on drug dependence and drug abuse. | 05 |
