

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – V • EXAMINATION – SUMMER • 2014

Subject Code: 250005

Date: 13-06-2014

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 anti anxiety agents. Explain the pharmacology of benzodiazepines | 06 |
| | (b) | Give the classification of antiepileptic agents based on Mechanism of action. Write a short note on phenytoin. | 05 |
| | (c) | Write a note on dopamine as neurotransmitter. | 05 |
| Q.2 | (a) | Classify drugs used in the treatment of Parkinson's disease. Why Levo dopa is given with carbidopa | 06 |
| | (b) | Explain the classification of anti depressants. Write in brief about moclobamide. | 05 |
| | (c) | Explain the mechanism of action and therapeutic uses of
a. Clozapine b. Halothane | 05 |
| Q.3 | (a) | Write a short note on cardiotonics. Why ACE inhibitors are used in the treatment of CHF. | 06 |
| | (b) | Give the mechanism of action, therapeutic uses and adverse effects of anti anginal drugs nitrates. | 05 |
| | (c) | Classify anti arrhythmic drugs. Explain 'Use dependence property of sodium channel blockers. | 05 |
| Q.4 | (a) | Give the classification of NSAIDS. Give the advantage of COX-2 inhibitors. | 06 |
| | (b) | Explain the mechanism of action of narcotic analgesic. Give the therapeutic uses of Naloxone. | 05 |
| | (c) | Explain the pharmacology of Theophylline | 05 |
| Q.5 | (a) | Classify antihypertensive agents. | 06 |
| | (b) | Explain the mechanism of action and therapeutic uses of
a. Sprinolactone b. Atenolol | 05 |
| | (c) | Give the classification of hypo-lipidemic agents | 05 |
| Q. 6 | (a) | Classify diuretics. Give the mechanism of action and therapeutic uses of Thiazides. | 06 |
| | (b) | Write a short not on erythropoietin. | 05 |
| | (c) | Explain the pharmacology of Warferin | 05 |
| Q. 7 | (a) | Write a short note on gene therapy | 06 |
| | (b) | Write a short note on plasma expanders. | 05 |
| | (c) | Write a short note on HMG CoA reductase inhibitors | 05 |
