| Seat No.: | Enrolment No. |
|-----------|---------------|
| | |

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM. - SEMESTER- V • EXAMINATION - SUMMER-2016

| Subject Code: 250005 | Date: 10/05/2016 | |
|----------------------|------------------|--|
| | | |

| Subject Name: | Pharmacology | - II |
|---------------|--------------|------|
|---------------|--------------|------|

| Time: 2:30 PM to 5:30 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) (b) | Classify diuretic agents. Discuss in detail about thiazide diuretics. Define angina pectoris. Write the pharmacology of glyceryl trinitrate. | 06 05 |
|------|------------|--|----------|
| | (c) | Discuss rationale use of ethyl alcohol in methyl alcohol poisoning. | 05 |
| Q.2 | (a) | Classify cardiotonic drugs. Describe the pharmacology of cardiac glycosides. | 06 |
| | (b) | Write a note on ACE inhibitors. | 05 |
| | (c) | Write in detail about SSRIs. | 05 |
| Q.3 | (a) | Classify antiarrhythmic agents. Discuss the pharmacology of quinidine. | 06 |
| | (b) | Write a note on CCBs. | 05 |
| | (c) | Explain the mechanism of action and therapeutic uses of following: 1. Morphine 2. Naloxone | 05 |
| Q.4 | (a) | Classify antiepileptic drugs. Write the pharmacology of phenytoin. | 06 |
| | (b) | Write a note on CNS stimulants. | 05 |
| | (c) | Define general anesthetics. Explain various stages of general anesthesia. | 05 |
| Q.5 | (a) | Classify NSAIDs. Write the pharmacology of selective COX-2 inhibitors. | 06 |
| | (b) | Define parkinsonism. Describe briefly about levodopa. | 05 |
| | (c) | Discuss pharmacology of anti-platelets agents. | 05 |
| Q. 6 | (a) | Write briefly on gene based therapy. | 06 |
| | (b) | Write a note on drug abuse. | 05 |
| | (c) | Classify neuroleptics agents. Discuss the pharmacology of chlorpromazine. | 05 |
| Q.7 | (a) | Classify anticoagulants. Write pharmacology of oral anticoagulants. | 06 |
| | (b) | Write a note on Barbiturates. | 05 |
| | (c) | Write a note on Statins. | 05 |
