

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem- V<sup>th</sup> Examination December 2010

Subject code: 250005

Subject Name: Pharmacology - II

Date: 18 /12 /2010

Time: 02.30 pm – 05.30 pm

**Instructions:**

Total Marks: 80

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write different stages of general anaesthesia. Write in brief about pre-anesthetic medication. **06**  
(b) Write mechanism of action of benzodiazepines. **05**  
(c) Write note on Glutamate as a central neurotransmitter. **05**
- Q.2** (a) Classify antipsychotic drug. Write a note on atypical antipsychotic drugs. **06**  
(b) Write a note on Selective Serotonin Reuptake Inhibitors (SSRIs). **05**  
(c) Classify antiepileptic drugs according to mechanism of action. Write pharmacokinetic and adverse effects of phenytoin. **05**
- Q.3** (a) Classify drugs used in Parkinsonism. Why Carbidopa is used in combination with levodopa? **06**  
(b) Classify CNS stimulants and write a note on psychostimulants. **05**  
(c) Write a note on opioid agonists. **05**
- Q.4** (a) Classify Non-steroidal anti-inflammatory analgesics. Write a note on COX-2 inhibitors. **06**  
(b) Write note on Drug dependence. **05**  
(c) Write a note on Disulfiram **05**
- Q.5** (a) Classify antihypertensive agents. Write mechanism of action and therapeutic uses of drug having adverse effect “dry cough” **06**  
(b) Drugs used in hypertensive emergencies and urgencies **05**  
(c) Write mechanism of action and pharmacological actions of cardiac glycosides **05**
- Q. 6** (a) Classify antiarrhythmic agents. Write mechanism of action and adverse effect of Quinidine **06**  
(b) Write mechanism of action, adverse effect and therapeutic effect of nitrates. **05**  
(c) Write a note on fibrinolytic agents. **05**
- Q.7** (a) Classify diuretic agents. Write a note on thiazide diuretics **06**  
(b) Classify lipid lowering drugs. Write a note on HMG Co-A reductase inhibitors **05**  
(c) Write a note on : **05**  
1. Plasma expanders  
2. Viral vectors used for gene therapy

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