

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem- Vth 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.

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|-------------|--|-----------|
| 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 :
1. Plasma expanders
2. Viral vectors used for gene therapy | 05 |
