

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharmacy Sem-V Examination June 2011****Subject code: 250005****Subject Name: Pharmacology - II****Date: 27/06/11****Total Marks: 80****Time: 10:30 am to 1:30pm****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) | Explain neurochemical basis of Parkinsonism. Mention drugs used in Parkinsonism & explain the rationale for Levodopa + Carbidopa combination. | 06 |
| | (b) | Classify anti-arrhythmic agents. Describe the pharmacology of Class – I anti-arrhythmic agents. | 05 |
| | (c) | Explain pain pathway with help of suitable diagram. | 05 |
| Q.2 | (a) | Classify various types of epilepsy and explain them in brief. Discuss the pharmacology of phenytoin. | 06 |
| | (b) | Write a note on stages of General Anesthesia. | 05 |
| | (c) | Write a short note on anti-coagulants. | 05 |
| Q.3 | (a) | Classify anti-hypertensives. Write a short note on ACE inhibitors. | 06 |
| | (b) | Mention the motives of Drug Dependence. Explain the steps involved in the treatment of drug abuse. | 05 |
| | (c) | Write a short note on Hematinic agents. | 05 |
| Q.4 | (a) | Enumerate cardiac glycosides. Describe the pharmacological actions of digitalis in CCF. | 06 |
| | (b) | What is anxiety? Classify anti-anxiety agents. Discuss pharmacology of any one anti-anxiety drug in detail. | 05 |
| | (c) | Write a short note on COX-2 inhibitors. | 05 |
| Q.5 | (a) | Classify anti-psychotic drugs. Write the mechanism of action, therapeutic uses and adverse effects of Chlorpromazine. | 06 |
| | (b) | Classify NSAID's with examples. Discuss the pharmacology of Aspirin. | 05 |
| | (c) | Write a short note on Beta blockers. | 05 |
| Q. 6 | (a) | Classify hypnotic & sedatives. Write the mechanism of action, pharmacological actions, therapeutic uses & adverse effects of benzodiazepines. | 06 |
| | (b) | Classify diuretics. Write a short note on high ceiling diuretics. | 05 |
| | (c) | Write a short note on Calcium channel blockers | 05 |
| Q.7 | (a) | What is angina, what causes of angina, explain in brief the types of angina. Describe mechanism of action, therapeutic uses and adverse effects of Nitroglycerine. | 06 |
| | (b) | Write a short note on Lovastatin. | 05 |
| | (c) | Write a short note on plasma expanders. | 05 |
