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## GUJARAT TECHNOLOGICAL UNIVERSITY B. PHARM (SEMESTER-5) (Old Syllabus) SUMMER-2015

Subject code: 250005 Date: 06/05/2015 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. Classify anti anxiety agents. Explain the pharmacology of Benzodiazepines. **Q.1 06** (a) Give the mechanism of action, therapeutic uses and adverse effects of nitrates 05 **(b)** as anti anginal agent. Write the classification antihypertensive agents. 05 (c) Classify anti-arrhythmic agents. Describe the pharmacology of Class- I anti-0.2 06 (a) arrhythmic agents. What are cardiotonics? Describe the pharmacology of Digoxin. 05 **(b)** Write short note on morphine poisoning and its treatment. (c) 05 **Q.3** (a) Give the mechanism of action, therapeutic uses and adverse effects of statins. 06 Give the classification of antiepileptic agents based on Mechanism of action. 05 **(b)** Write in detail about phenytoin. Classify diuretics. Give the mechanism of action and therapeutic uses of (c) 05 Thiazides. Explain neurochemical basis of Parkinsonism. Mention drugs used in 0.4 06 Parkinsonism & explain the rationale for Levodopa and Carbidopa combination. Write short note on drug dependence and drug abuse. 05 **(b)** Write a note on Disulfiram. 05 (c) **Q.5** Define anesthetics. Explain different stage of general anesthesia. 06 (a) Classify NSAIDs. Write a note on aspirin. **(b)** 05 Write a note on Selective Serotonin Reuptake Inhibitors (SSRIs). (c) 05 Write a note on pre-anesthetic medications. **Q.** 6 06 (a) Classify anti-psychotic drug. Write a note on clozapine. 05 **(b)** Write a short note on Hematinic agents. 05 (c) Classify CNS stimulants and write a note on psychostimulants. **Q.7** 06 (a)

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Write a short note on gene therapy.

Classify and write about Thrombolytics.

**(b)** 

(c)