

**GUJARAT TECHNOLOGICAL UNIVERSITY****B. Pharm. – SEMESTER – V • EXAMINATION – SUMMER 2013****Subject Code: 250005****Date: 14-06-2013****Subject Name: Pharmacology - II****Time: 02.30 pm - 05.30 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) Classify antihypertensive drug. Write a note on drug acting on renin – angiotensin system. **06**  
(b) What are anticoagulants ? Write source, pharmacokinetics, mode of action and uses of vitamin-K. **05**  
(c) Define anesthetics. Write a stage of general anesthesia. **05**
- Q.2** (a) Define drug dependence. Note a factor involve in the drug dependence. **06**  
(b) Classify anti parkinsonian drug. Justify levodopa use with carbidopa. **05**  
(c) Discuss mechanism of action and therapeutic uses of following: **05**  
1. Digitalis 2. Simvastatin
- Q.3** (a) Describe pathophysiology of arrhythmia. Write note on quinidine. **06**  
(b) Classify anti-psychotic drug. Write a note on clozapine. **05**  
(c) Describe type of angina. Write mechanism of action, pharmacokinetics, uses, side effects of one anti-anginal drug. **05**
- Q.4** (a) Write note on high-ceiling diuretics. **06**  
(b) Classify NSAIDs. Write a note on aspirin. **05**  
(c) Discuss mechanism of action and therapeutic uses of following: **05**  
1. Risperidone 2. verapamil
- Q.5** (a) Differentiate heparin and warfarin. Write a note on fibrinolytic agents. **06**  
(b) Write a short note on CNS depressants. **05**  
(c) Event of platelet aggregation with the site of action of antiplatelet drugs. **05**
- Q. 6** (a) Classify type of epilepsy. Describe mechanism of epilepsy. **06**  
(b) Pharmacology of ezetimib. **05**  
(c) Enumerates drugs used in bipolar disorder. Write a note on any one. **05**
- Q.7** (a) Write note on: opioids analgesics. **06**  
(b) Pharmacological action of alcohol. **05**  
(c) Define gene therapy. Various application of gene therapy. **05**

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