

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm – SEMESTER V - EXAMINATION – WINTER-2017**

**Subject Code: 250005**

**Date: 15-11-2017**

**Subject Name: Pharmacology-II**

**Time: 10:30 AM. To 01:30 PM.**

**Total Marks: 80**

**Instructions:**

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

|             |                                                                                    |           |
|-------------|------------------------------------------------------------------------------------|-----------|
| <b>Q.1</b>  | (a) Define neurotransmitters and write a short note on GABA.                       | <b>06</b> |
|             | (b) Explain different stages of general anesthesia.                                | <b>05</b> |
|             | (c) Write a short note on pharmacological actions of ethyl alcohol.                | <b>05</b> |
| <b>Q.2</b>  | (a) Classify sedatives and hypnotics and write a short note on barbiturates.       | <b>06</b> |
|             | (b) Classify muscle relaxants and explain d-tubocurarine.                          | <b>05</b> |
|             | (c) Explain types of epilepsy and classify antiepileptic drugs.                    | <b>05</b> |
| <b>Q.3</b>  | (a) Define parkinsonism and discuss pharmacology of levodopa.                      | <b>06</b> |
|             | (b) Write a short note on salicylates.                                             | <b>05</b> |
|             | (c) Explain opioid peptides.                                                       | <b>05</b> |
| <b>Q.4</b>  | (a) Write a short note on drug abuse.                                              | <b>06</b> |
|             | (b) Explain pharmacology of digitalis.                                             | <b>05</b> |
|             | (c) Give classification of antihypertensive drugs in detail.                       | <b>05</b> |
| <b>Q.5</b>  | (a) Write a short note on thiazide diuretics.                                      | <b>06</b> |
|             | (b) Classify antihyperlipidemic drugs and explain any one class of drug in detail. | <b>05</b> |
|             | (c) Explain pathophysiology of arrhythmia and classify drugs to cure it.           | <b>05</b> |
| <b>Q. 6</b> | (a) Write a short note on hematinics.                                              | <b>06</b> |
|             | (b) Give detailed account on thrombolytics.                                        | <b>05</b> |
|             | (c) Write a short note on blood coagulants.                                        | <b>05</b> |
| <b>Q.7</b>  | (a) Explain different types of gene therapy.                                       | <b>06</b> |
|             | (b) Discuss calcium channel blockers as antihypertensive agents.                   | <b>05</b> |
|             | (c) Write a short note on brain stimulants.                                        | <b>05</b> |

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