

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VI • EXAMINATION – WINTER • 2015

Subject Code: 2260005

Date: 06-01-2016

Subject Name: Pharmacology and Pharmacotherapeutics - 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.

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|------------|-----|---|-----------|
| Q.1 | (a) | Give path physiology of parkinsonism and justify the use of L-dopa and Carbidopa combination for treatment. | 06 |
| | (b) | Give mechanism of action and pharmacological actions of NSAIDS. | 05 |
| | (c) | Give treatment for methyl alcohol toxicity and ethyl alcohol dependence | 05 |
| Q.2 | (a) | Give pathophysiology and clinical signs and symptoms of schizophrenia. | 06 |
| | (b) | Explain stages of anesthesia and importance of pre anesthetic medication. | 05 |
| | (c) | Detail the diagnosis and treatment of rheumatoid arthritis. | 05 |
| Q.3 | (a) | Give pathophysiology and treatment of anxiety. | 06 |
| | (b) | Explain the mechanisms of tolerance development with examples. | 05 |
| | (c) | Classify opioids receptors. Give pharmacological actions of morphine. | 05 |
| Q.4 | (a) | Classify CNS stimulants. Give mechanism of action and pharmacology of caffeine. | 06 |
| | (b) | Give pathophysiology and treatment of Gout. | 05 |
| | (c) | Write a note on opioid antagonist. | 05 |
| Q.5 | (a) | Classify different types of epilepsy stating their treatment. | 06 |
| | (b) | Classify anesthetic agents. Give their advantages and disadvantages. | 05 |
| | (c) | Give pathophysiology and treatment of Alzheimer's diseases. | 05 |
| Q.6 | (a) | Justify the use of barbiturates as CNS depressants on the basis of its pharmacological actions. Give its mechanism of action. | 06 |
| | (b) | Classify immunomodulators and write a note on immunoglobulins. | 05 |
| | (c) | Give the class and therapeutic use of the following:
1. Colchicine 2. Felbamate | 05 |
| Q.7 | (a) | Give pathophysiology, signs and symptoms, diagnosis and treatment of depression. | 06 |
| | (b) | Compare and contrast side effects of narcotic and non narcotic analgesics | 05 |
| | (c) | Give the class and therapeutic use of the following:
1. Celecoxib 2. Lithium carbonate | 05 |
