

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. – SEMESTER VI– • EXAMINATION – SUMMER-2016

Subject Code: Pharmacology & Pharmacotherapeutics II Date: 09/05/2015

Subject Name: 2260005

Time: 10:30 AM to 1:30 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) | Write note on pathophysiology, clinical manifestation and first line drug treatment of Parkinsonism. | 06 |
| | (b) | What are Opioids? Write pharmacological actions of Opioids. | 05 |
| | (c) | Write note on Methanol poisoning and its treatment. | 05 |
| Q.2 | (a) | Write etiology, clinical manifestation and treatment of Depression. | 06 |
| | (b) | Describe pathophysiology and treatment of Alzheimer's disease. | 05 |
| | (c) | Classify General Anesthetics and write about stages of Anesthesia. | 05 |
| Q.3 | (a) | Define Immunomodulators. Write mechanism of action, therapeutic uses and toxicities of Cyclosporine. | 06 |
| | (b) | Define psychoses. Classify anti psychotic drugs as per their mode of action. | 05 |
| | (c) | Describe in detail the treatment of Gout. | 05 |
| Q.4 | (a) | Classify Non Steroidal Anti Inflammatory Drugs and describe the pharmacology of Aspirin including therapeutic uses. | 06 |
| | (b) | Define Anxiety. Write about its diagnosis and treatment. | 05 |
| | (c) | Explain Gamma amino butyric acid as CNS neurotransmitter. | 05 |
| Q.5 | (a) | Explain pharmacology of excitatory neurotransmitters with special reference to Glutamate. | 06 |
| | (b) | Write in detail on disease modifying anti rheumatic drugs for treatment of Rheumatoid Arthritis. | 05 |
| | (c) | Explain the phenomenon of drug dependence. | 05 |
| Q. 6 | (a) | Define and classify Hallucinogens. Write note on Cannabinoids as Hallucinogen. | 06 |
| | (b) | Define nociception. Explain gate control theory of pain pathway with suitable diagram. | 05 |
| | (c) | Write brief note on (I) Morphine poisoning (II) BCG Vaccine. | 05 |
| Q.7 | (a) | Write short notes on (I) COX-II inhibitors (II) Lithium | 06 |
| | (b) | Classify Anti epileptics and write about management of status epilepticus. | 05 |
| | (c) | Describe various types of Opioid receptors with their signaling pathways in detail. | 05 |
