

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.

- 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**
