

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.

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
