

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm. – SEMESTER – II • EXAMINATION – WINTER • 2014

Subject Code: 2920203**Date: 26-12-2014****Subject Name: Pharmacotherapeutics****Time: 10:30 am - 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.

- | | | | |
|-------------|-----|--|-----------|
| Q.1 | (a) | Discuss various mechanisms responsible for cardiac arrhythmias. | 06 |
| | (b) | Describe the mechanism of cough and its pharmacological management. | 05 |
| | (c) | Discuss etiopathogenesis involved in inflammatory bowel disease. | 05 |
| Q.2 | (a) | Suggest a suitable therapeutic plan for the clinical management of Hyperthyroidism. | 06 |
| | (b) | Briefly explain the pharmacotherapy and diagnostic test used for Angina Pectoris. | 05 |
| | (c) | Discuss management of epilepsy in general. | 05 |
| Q.3 | (a) | Explain briefly various etiological factors responsible for Hypertension. | 06 |
| | (b) | Briefly explain the pathophysiology of Congestive Cardiac Failure. | 05 |
| | (c) | Describe the pathophysiology and management of migraine. | 05 |
| Q.4 | (a) | Describe the etiology and pathophysiology of Parkinson's diseases. | 06 |
| | (b) | Etiology, management and pharmacotherapy of various types of Diarrhea. | 05 |
| | (c) | Describe the pathophysiology, clinical presentations and diagnosis of the Iron deficiency anemia. | 05 |
| Q.5 | (a) | What is Alzheimer's disease? Describe how various etiological factors are responsible for the development of amyloid plaque and neurofibrillary tangles in Alzheimer's diseases. | 06 |
| | (b) | Discuss various complications of diabetes and their management. | 05 |
| | (c) | Write a brief account on the following: | 05 |
| | | a) Dysmenorrhea | |
| | | b) Infertility in males | |
| Q. 6 | (a) | Describe the role of offensive and defensive factors in the pathophysiology of peptic ulcer. | 06 |
| | (b) | Write pathogenesis and management of atherosclerosis. | 05 |
| | (c) | Describe the pathophysiology clinical manifestation and management of glaucoma. | 05 |
| Q.7 | (a) | Describe various investigation performed for the diagnosis of Acute renal failure. | 06 |
| | (b) | Give the NIH treatment algorithm for Bronchial Asthma exacerbation as the home based management and emergency /hospital treatment. | 05 |
| | (c) | Write short notes on: | 05 |
| | | i) Insomnia ii) Anxiety | |