

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**M. Pharm. – SEMESTER – II • EXAMINATION – SUMMER • 2015**

**Subject Code: 2920203****Date: 16-05-2015****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.**

- |             |     |  |           |
|-------------|-----|--|-----------|
| <b>Q.1</b>  | (a) | Write the pathophysiology of Alzheimer's disease with hypothesis & Discuss the currently available agents indicated for its treatment. | <b>06</b> |
|             | (b) | Write WHO criteria for diagnosis of essential hypertension and give algorithm for its management.                                      | <b>05</b> |
|             | (c) | Explain pathophysiology, management and prevention of Hepatitis.   | <b>05</b> |
| <b>Q.2</b>  | (a) | Classify COPD based on GOLD guideline and give stepwise approach for its management.   | <b>06</b> |
|             | (b) | Discuss etiology, clinical presentation, diagnosis and therapeutic plan for Angina Pectoris.   | <b>05</b> |
|             | (c) | Write short note on Migraine.  | <b>05</b> |
| <b>Q.3</b>  | (a) | Differentiate Ulcerative colitis and Crohn's disease and indicate therapeutic algorithm for management of Ulcerative colitis.          | <b>06</b> |
|             | (b) | Mention common causes of seizures. Classify epileptic seizures and explain general principle for management of epilepsy.               | <b>05</b> |
|             | (c) | Write causes, sign & symptoms, mechanisms of arrhythmia and discuss how class I(B) anti-arrhythmic drugs manage arrhythmia.            | <b>05</b> |
| <b>Q.4</b>  | (a) | Differentiate between open angle and close angle glaucoma and discuss role of $\beta$ -blockers in its treatment.                      | <b>06</b> |
|             | (b) | Explain metabolic and systemic consequences of chronic kidney disease.   | <b>05</b> |
|             | (c) | Describe Common symptoms, diagnosis and methods of treatment for hyperthyroidism (overactive thyroid).                                 | <b>05</b> |
| <b>Q.5</b>  | (a) | Discuss the risk factors, diagnosis, complications, and treatment of diabetes mellitus.  | <b>06</b> |
|             | (b) | Describe causes, clinical presentation, diagnosis and treatment of Cystic fibrosis.  | <b>05</b> |
|             | (c) | Discuss detail pathophysiology and management of Parkinsonism.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Explain various etiological factors of ACS and write treatment in brief.   | <b>06</b> |
|             | (b) | Discuss etiology, clinical presentation, diagnosis and treatment of megaloblastic anemias.   | <b>05</b> |
|             | (c) | Discuss the diagnostic parameters & step wise clinical management of Asthma.   | <b>05</b> |
| <b>Q.7</b>  | (a) | Give detail account on pathophysiology and describe clinical management of Peptic ulcer disease.                                       | <b>06</b> |
|             | (b) | Write sign & symptoms, pathophysiology diagnosis and management of Benign Prostatic Hypertrophy.                                       | <b>05</b> |
|             | (c) | Write short note on Constipation and Diarrhea.   | <b>05</b> |