

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**M. PHARM - SEMESTER- II• EXAMINATION – SUMMER-2017**

**Subject Code: 2920106****Date: 29/05/2017****Subject Name: Applied Pharmacotherapeutics-I****Time: 10:30 AM to 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.

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|-------------|-----|--|-----------|
| <b>Q.1</b>  | (a) | Explain positive feedback mechanism of thyroid hormones. Give management of hyperthyroidism.                 | <b>06</b> |
|             | (b) | Give pathophysiology and management of myocardial infarction.  | <b>05</b> |
|             | (c) | Give pathophysiology and treatment of inflammatory bowel disease..   | <b>05</b> |
| <b>Q.2</b>  | (a) | Classify various stages of hypertension. Give pharmacotherapeutics management of hypertension.               | <b>06</b> |
|             | (b) | Give pathophysiology and treatment of Parkinson's disease.   | <b>05</b> |
|             | (c) | Write a note on hepatitis B.   | <b>05</b> |
| <b>Q.3</b>  | (a) | Discuss risk factors, diagnosis and management of cardiac heart failure.                                     | <b>06</b> |
|             | (b) | Classify epilepsy. Give management of epilepsy.  | <b>05</b> |
|             | (c) | Write a note on adrenocorticoid dysfunction.   | <b>05</b> |
| <b>Q.4</b>  | (a) | Explain mechanism and treatment of cardiac arrhythmia.   | <b>06</b> |
|             | (b) | Give pathophysiology and diagnosis of asthma.  | <b>05</b> |
|             | (c) | Give treatment and management of nausea and vomiting.  | <b>05</b> |
| <b>Q.5</b>  | (a) | Discuss diagnosis and treatment of angina pectoris.  | <b>06</b> |
|             | (b) | Discuss various type of depression. Explain role of monoamines in pathophysiology of depression.             | <b>05</b> |
|             | (c) | Write a note on treatment of hyperlipidemia.   | <b>05</b> |
| <b>Q. 6</b> | (a) | What are contributory factors for peptic ulcer? Give details of antacids used in the treatment peptic ulcer. | <b>06</b> |
|             | (b) | Discuss detail pathophysiology and management of Alzheimer disease.  | <b>05</b> |
|             | (c) | Give pharmacological and non-pharmacological treatment of migraine.  | <b>05</b> |
| <b>Q.7</b>  | (a) | Discuss pathophysiology and management of COPD.  | <b>06</b> |
|             | (b) | Discuss etiology and treatment of diarrhea.  | <b>05</b> |
|             | (c) | Write a note on Huntington's disease.  | <b>05</b> |

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