

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm – SEMESTER II –EXAMINATION – WINTER-2016

Subject Code: 2920106**Date: 30/11/2016****Subject Name: Applied Pharmacotherapeutics – I****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) Describe the pathophysiology of heart failure. (6)
(b) Describe the drug therapy of angina pectoris (5)
(c) Write the drug therapy of dry cough. (5)
- Q.2 (a) Classify the drugs used in treatment of generalised tonic-clonic seizures. (6)
(b) Classify the drugs used for vomiting according to their site of action. (5)
(c) Describe the therapeutic uses and adverse effects of chlorpromazine. (5)
- Q.3 (a) Write a short note on diuretic drugs. (6)
(b) Describe the drug therapy of migraine. (5)
(c) Describe advantages and disadvantages of combined oral contraceptive pills. (5)
- Q.4 (a) Classify the drugs used in Parkinson's disease. Explain why levodopa is combined with carbidopa in the treatment of Parkinson's disease. (6)
(b) Classify the drugs used for treatment of hypertension according to their mechanism of action. (5)
(c) Explain the pathophysiology and drug therapy of Graves' disease. (5)
- Q.5 (a) Write a note on insulin preparations. (6)
(b) Write the drug treatment for a patient of myocardial infarction (5)
(c) Write the drug therapy of status asthmaticus. (5)
- Q.6 (a) Classify the drugs used for Peptic Ulcer according to their mechanism of action. (6)
(b) Classify oral hypoglycaemic drugs according to their chemical group. (5)
(c) Write the drug therapy for a patient of status epilepticus. (5)
- Q.7 (a) Classify the drugs used for treatment of Bronchial Asthma. (6)
(b) Describe the therapeutic uses and adverse effects of tricyclic anti-depressant drugs. (5)
(c) Explain the pathophysiology of GERD. Explain the pharmacological basis of use of Proton pump inhibitors in GERD. (5)