

Seat No.: _____

Enrolment No. _____

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

Subject Code: 2920106

Date: 24-12-2014

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) Classify various stage of hypertension as per JNC -7 guidelines. Write a note on factors which are involved in the pathogenesis of hypertension **06**
- (b) Define & classify diabetes mellitus. Write a note on etiologic factors associated with diabetes mellitus **05**
- (c) Explain various causes of heart failure. Write a note on the management of asymptomatic heart failure. **05**
- Q.2** (a) Differentiate ulcerative colitis and crohn's disease. Mention treatment recommendations for crohn's disease. **06**
- (b) Explain the normal ECG. Write a note on mechanisms of cardiac arrhythmias. **05**
- (c) Explain the pathophysiology and management of peptic ulcer. **05**
- Q.3** (a) What are recommended goals of antidiabetic therapy as per ADA? Sketch the algorithm for type 2 DM in children and adults. **06**
- (b) Explain the hypothalamic-pituitary-thyroid axis. Write a note on hypothyroidism and its management. **05**
- (c) Write a note on clinical presentation and diagnosis of myocardial infarction. **05**
- Q.4** (a) Write a note various etiological hypotheses for major depression disorder. **06**
- (b) Give the classification of epilepsy and compare the therapeutic options in grand mal epilepsy. **05**
- (c) Describe the pathophysiology of bronchial asthma. **05**
- Q.5** (a) Enumerate signs and symptoms of COPD. Classify severity of COPD as per GOLD guidelines. List out treatment goals for a patient with COPD. **06**
- (b) What are the adverse reactions a pharmacist should look while monitoring insulin therapy. **05**
- (c) Write a note on the management of parkinson's disease with algorithm. **05**
- Q. 6** (a) Explain the clinical presentation and diagnosis of schizophrenia. Explain various adverse effects of antipsychotic drugs. **06**
- (b) Explain the management of hypertension with algorithm. **05**
- (c) Give a brief note on pharmacological and non-pharmacological treatment of migraine. **05**
- Q.7** (a) Write short notes on adrenocortical dysfunction. **06**
- (b) Explain the pharmacological management of hyperlipidemia. **05**
- (c) Define nausea and vomiting. Explain the pathophysiology and therapeutic plan of vomiting. **05**
