

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M.PHARM - SEM- I - EXAMINATION SUMMER-2018**Subject Code: MCP102T****Date: 05/05/2018****Subject Name: Pharmacotherapeutics I****Time: 02:30PM TO 05:30PM****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 etiology and clinical features of peptic ulcer disease. Differentiate between gastric and duodenal ulcers. **06**
- (b) Define anxiety and give its clinical features. Justify use of benzodiazepines in treatment of anxiety. **05**
- (c) Write a short note on: Iron therapy and its toxicities. **05**
- Q.2** (a) Discuss etiology and clinical features of bronchial asthma. Justify giving mechanism of action the use of Salbutamol in management of asthma. **06**
- (b) Discuss the pathophysiology and clinical features of Congestive cardiac failure (CCF). Justify use of digoxin in management of CCF. **05**
- (c) Write a short note on: Pre renal renal failure. **05**
- Q.3** (a) Discuss pathophysiology and clinical features of type II diabetes mellitus. **06**
- (b) Classify antithyroid drugs and discuss the role of thioamides in treatment of hyperthyroidism **05**
- (c) Write a short note on: Alzheimer's disease **05**
- Q.4** (a) Enlist drugs used in treatment of tonic clonic seizures and discuss the management of status epilepticus. **06**
- (b) Define inflammatory bowel disease (IBD). Discuss etiology and clinical features of ulcerative colitis. **05**
- (c) Write a short note on: Hazards and uses of radioiodine in treatment of thyrotoxicosis. **05**
- Q.5** (a) Classify hypertension into various stages as described by WHO. Justify the use of propranolol in treatment of hypertension. **06**
- (b) Classify antiemetic drugs giving one example of each class and justify the use of ondansetron in management of vomiting. **05**
- (c) Write a short note on: Schizophrenia **05**
- Q.6** (a) Justify giving mechanism of action the use of following drugs- **06**
1. Sulphonylureas in type II diabetes mellitus
 2. Levodopa and carbidopa in parkinsonism
 3. Quinidine and digoxin in arrhythmias
- (b) Discuss the dietary and life style modifications recommended for a patient of hyperlipidemia. Explain mechanism of action of Simvastatin. **05**
- (c) Write a short note on: Iron deficiency anemia. **05**
- Q.7** (a) Define glaucoma. Explain the difference between the two main types of glaucoma and justify the use of Timolol in treatment of Glaucoma. **06**
- (b) Explain the different types of diarrhoea and write in brief about rehydration therapy. **05**
- (c) Write a short note on: Menopause **05**