

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Pharmacy - 2nd Year Examination – OCTOBER 2012

Subject code: 420002**Date: 27-10-2012****Subject Name: Pharmaceutical Chemistry- II****Time: 2:30 pm – 5:30 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) Draw the structure and write medicinal uses of the followings. **06**
1) Imipramine 2) Dapsone
3) Sulphadiazine 4) Diazepam
5) Propranolol 6) Chlorpropamide
- (b) Classify Anti T.B drugs along with its examples. Discuss Isoniazid and PAS in detail. **05**
- (c) Define and Classify Adrenergic agents. Write detailed note on any ONE compound of each class. **05**
- Q.2** (a) Define Diuretic. Write Chemical classification of Diuretics. Discuss Furosemide along with its structure. **06**
- (b) Write chemical classification of antihistaminic drugs with suitable examples. Discuss any one H₁ Blockers in detail. **05**
- (c) What do you mean by Non-steroidal anti-inflammatory Agents? Classify it. Discuss Aspirin in detail. **05**
- Q.3** (a) Classify sulphonamides. Discuss Sulfaguanidine, Cotrimoxazole and Sulfacetamide in detail. **06**
- (b) Classify Hypoglycemic Agents. Discuss Biguanides in detail. **05**
- (c) Phenothiazine derivatives as a tranquillizer **05**
- Q.4** Write Chemical Classification along with suitable example and its use of followings.
- (a) General Anesthetics **06**
- (b) CNS stimulants **05**
- (c) Hypnotics & Sedatives **05**
- Q.5** (a) Discuss SAR of Penicillin **06**
- (b) Describe life cycle of Plasmodium. **05**
- (c) Classify Cardiovascular Drugs. Discuss Nitrates and Clofibrate in detail **05**
- Q.6** (a) Discuss Diagnostic Agents in brief. **06**
- (b) Describe Antifungal agents OR Antiamoebic and Anthelmintic Drugs **05**
- (c) Write short note on Analeptic Drugs **05**
- Q.7** (a) Draw the structure and write medicinal uses of the followings. **06**
1) Haloperidol 2) Atropine
3) Isoprenaline 4) Lignocaine
5) Ampicillin 6) Urea
- (b) Write short note on Local Anaesthetics **05**
- (c) Explain Antiulcer agents in detail. **05**
