

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. / M. Ph. / D.Ph. - SEMESTER-II • EXAMINATION – WINTER-2016

Subject Code: 420002**Date: 21/10/2016****Subject Name: Pharmaceutical Chemistry II****Time:02:30 PM TO 05:30 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) Give the structural formula for following functional groups **06**
 1. Carbamoyl 3. Diethylamino 5. Acetoxy
 2. iso-propyl 4. Benzyl 6. Mercapto
- (b) What is the difference between Antiseptic and Disinfectant? Give its classification with examples. **05**
- (c) Write a note on Cotrimoxazole. **05**
- Q.2** (a) What is NIDDM? Classify Hypoglycaemics and give storage condition of Insulin. **06**
 (b) Explain the term Coagulants and write note on Anti coagulants. **05**
 (c) What is Anticholinesterases? Write a note on Adrenergic drug. **05**
- Q.3** (a) What is the difference between Sedatives and Hypnotics? Give its classification with examples. **06**
 (b) Define the term Anaesthetics and give its classification. **05**
 (c) Classify Tranquillizers and give chemistry of Diazepam. **05**
- Q.4** (a) What is Antiprotozoal agents? Write a note on Antineoplastic drugs. **06**
 (b) Define and classify Antibiotics with examples. **05**
 (c) Short note on β -Lactum antibiotics. **05**
- Q.5** (a) Give classification of Cardio Vascular drugs with examples. **06**
 (b) Explain terms **05**
 1. Cardiotonics 4. Atherosclerosis
 2. Antiarrhythmics 5. Antipyretics
 3. Hypertension
- (c) What are steroids? Give a brief account on diagnostic dyes. **05**
- Q. 6** (a) Give structure and use of **06**
 1. Metronidazole 2. Chloroquine 3. DEC
- (b) Give classification of Diuretics with examples. **05**
- (c) Comment: Tetracyclines are contraindicated in pregnancy. Explain the term Anthelmintics. **05**
- Q.7** (a) Write short note on Antimycobacterial agents. Write structure of Dapsone. **06**
 (b) Define Analeptics, Neuroleptics and Thymoleptics. Give chemistry of Imipramine. **05**
 (c) Give uses of 1. Phenytoin 2. Caffeine 3. Clofibrate 4. Chlorpheniramine 5. Ibuprofen **05**
