

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY
Maliba Pharmacy College
B. Pharm 5th Semester Internal Examination 2013 (Mid-Sem 2)
030020502- Medicinal Chemistry-I

Time: 10:30 a.m. To 12:30 p.m.

Max. Marks: **40**

Date: 25/10/2013

Instructions:

- Attempt any **FIVE** questions.
- Each question carries **08** marks.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1 A) What are soft drugs and give its applications 4
B) Classify antacid and give its mechanism of action 4
- Q.2 A) Classify laxatives based on mechanism of action and give examples 4
B) What are prokinetics, its advantages, and classify it with examples 4
- Q.3 A) Give the synthesis of following drugs and their uses (**any two**). 4
1. Dicyclomine, 2. Propranolol, 3. Salbutamol, 4. Diphenhydramine
B) Give one example (structure) each for following class of drugs (**any four**). 4
1. Serotonin reuptake inhibitor,
2. H₂-antagonist with thiazole ring and sulfonamide moiety,
3. Topical H₁-antihistamine
4. Tricyclic H₁-antihistamine
5. H₁-antihistamine (2nd generation) with cardiotoxicity
6. Prodrug of dopamine
- Q.4 A) SAR of phenylethanolamine adrenergic agonists 4
B) Write a short note on H₂-antihistamine 4
- Q.5 A) SAR of H₁-antihistamine 4
B) Give structure and uses for following drugs (**any four**) 4
1. Cyproheptadine, 2. Ondansetron, 3. Tolcapone, 4. Metoclopramide,
5. Paracetamol, 6. Parlidoxime
- Q.6 A) SAR of anticholinergics 4
B) Write a short note on anticholinesterase 4
- Q.7 A) Write a short note on drugs used in treatment of dry and wet cough 4
B) Give two examples (with structures) for following class of drugs (**any two**) 4
1. Drugs used in Parkinson disease
2. COX inhibitors
3. Serotonergic agonist
4. H₁-antihistamine (2nd Generation)