

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 6th Semester Internal Examination April 2014 (*Mid-Sem*)

030020602- Medicinal Chemistry-II

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

Max. Marks: **40**

Date: 07/04/2014

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) Give classification of androgens and antiandrogens based on their clinical uses. 4
B) Write short note on drugs used in Parkinson disease. 4
- Q.2 A) Write synthesis for (Any **TWO**) 1. Chlordiazepoxide 2. Glimepride 3. Phenobarbital 4
B) Give structures for following class of drugs (Any **FOUR**) 4
1. An antiseizure drug used in absence seizures
2. GABA agonists used as antiepileptic agent
3. Dissociative anesthetic
4. Melatonin-1 receptor agonists
5. Nonbenzodiazepine hypnotics (Z-drugs)
- Q.3 A) Give classification for oral hypoglycemic agents. Synthesis of tolbutamide. 4
B) SAR for CNS stimulant- β -phenylethylamine derivatives 4
- Q.4 A) Write a short note on steroidal nomenclature and structure 4
B) Give structures for following drugs (Any **FOUR**) 4
1. Biguanides and thiazolidinediones oral hypoglycemic agents.
2. Two examples for inhaled general anesthetics
3. Orally active androgen analogue and conjugated estrogen
4. Antithyroid agent and Progesterone antagonist
5. Spironolactone and Oxandrolone
- Q.5 A) Write a short note on Hallucinogen 4
B) SAR of Adreocorticoids 4
- Q.6 A) SAR of barbiturates. 4
B) Give synthesis of Pioglitazone HCl and Carbimazole 4
- Q.7 A) Write a short note on anxiolytic agents. 4
B) Write a short note on CNS stimulant. 4