

Seat No.:-----

Enrolment No.:-----

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B. Pharm 3<sup>rd</sup> Semester Internal Examination 2013 (*Mid-Sem 2*)

**030020303 – Organic Chemistry - II**

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

Max. Marks: **40**

Date: 25/11/2013

**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) Define  $\alpha$ ,  $\beta$  – unsaturated carbonyl compounds. Write methods of preparation of  $\alpha$ ,  $\beta$  – unsaturated carbonyl compounds. 04
- B) What is protein? Classify it. Write color test for it. 04
- Q.2 A) Write methods of preparation for pyrazine and pyrimidine. 04
- B) Enlist the methods of preparation for amino acid. Discuss Gabriel synthesis method. 04
- Q.3 A) Write methods of preparation and reactions of furan. 04
- B) Define and classify lipids. 04
- Q.4 A) Define pericyclic reaction. Explain electrocyclic reaction. 04
- B) Write methods of preparation for amines. 04
- Q.5 A) Give short note on combinatorial chemistry. 04
- B) Write reactions of phenol. 04
- Q.6 A) Write methods of preparation for thiophene and pyrrole. 04
- B) Write reactions of imidazole and oxazole. 04
- Q.7 A) Write methods of preparation and reactions of quinolone. 04
- B) Write methods of preparation and reactions of diazonium salt. 04