

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 3rd 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.

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| Q.1 | A) | Define α , β – unsaturated carbonyl compounds. Write methods of preparation of α , β – 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 |