

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 3rd Semester Internal Examination 2013 (*Mid-Sem 1*)

030020303 – Organic Chemistry - II

Time: 1:30 p.m. To 3:30 p.m.

Max. Marks: **40**

Date: 02/09/2013

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) | Write methods for preparation of anthracene. | 03 |
| | B) | Define Carbohydrate. Write a note on Kiliani-Fischer synthesis and Ruff degradation. | 05 |
| Q.2 | A) | Define aromatic compounds and give their characteristics. | 03 |
| | B) | Classify amino acids. | 05 |
| Q.3 | A) | What are essential and non-essential amino acids? Give their examples. | 03 |
| | B) | Write method for preparation for aldehydes and ketones. | 05 |
| Q.4 | A) | Write any three methods for preparation of naphthalene. | 03 |
| | B) | Explain electrophilic substitution reactions of benzene. | 05 |
| Q.5 | A) | Write methods for preparation and reactions of acid chloride. | 03 |
| | B) | Give reactions of aldehydes. | 05 |
| Q.6 | A) | Write reactions given by arenes. | 03 |
| | B) | Write reactions given by aryl halides. | 05 |
| Q.7 | A) | Write method for preparation of aryl halides. | 03 |
| | B) | Write method for preparation carboxylic acids. | 05 |