

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 2nd Semester Internal Examination April 2014 (*Mid-Sem*)

030020202- Organic chemistry-I

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.

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| Q.1 | A) | Explain postulates and drawbacks of Bohr's atomic model. | 04 |
| | B) | Define the terms, proton, neutron, electron, atomic number and mass number. | 04 |
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| Q.2 | A) | Define covalent bond. Explain types and condition of covalent bond in detail. | 04 |
| | B) | Explain rules to write electronic configuration with suitable examples. | 04 |
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| Q.3 | A) | Write methods of preparation for alkanes. | 04 |
| | B) | Explain molecular orbital theory in detail. | 04 |
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| Q.4 | A) | Write reactions of alkenes. | 04 |
| | B) | Define carbocation. Write methods of preparation for carbocation. | 04 |
| | | | |
| Q.5 | A) | Give comment on stability of carboanion and free radicals. | 04 |
| | B) | Write note on four quantum numbers in detail. | 04 |
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| Q.6 | A) | Write methods of preparation for alkenes. | 04 |
| | B) | Explain following terms giving examples a) Enantiomer isomerism b) Conformational isomerism. | 04 |
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| Q.7 | A) | What are different types of geometrical isomerism? Give examples of each type. | 04 |
| | B) | Write short note on different types of projection formulas for stereochemical compounds. | 04 |