

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 5th Semester Internal Examination 2013 (*Mid-Sem 2*)

030020504- Pharmacognosy-III

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

Max. Marks: **40**

Date: 28/10/2013

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) | Discuss the steps involved in biosynthesis of atropine. | 5 |
| | B) | What are tropane alkaloids? | 3 |
| Q.2 | A) | Write biological source, chemical constituents and diagnostic macroscopic features of Colchicum. | 5 |
| | B) | Write biosynthesis of ephedrine. | 3 |
| Q.3 | A) | Draw a neat and well labeled diagram showing transverse section of kurchi bark. | 4 |
| | B) | Write short note on purine alkaloids. | 4 |
| Q.4 | A) | Describe the Pharmacognosy of diterpene alkaloid. | 4 |
| | B) | What are clavin and peptide type of ergot alkaloids? Give examples. | 4 |
| Q.5 | A) | Write the source of vitamin A with its biosynthesis. | 4 |
| | B) | Differentiate the photodynamic and photosensitizing agent. | 4 |
| Q.6 | A) | Write down the biogenesis of various isoprenoids compounds. | 5 |
| | B) | Write down the types of allergens. | 3 |
| Q.7 | A) | Write the application of chemotaxonomy. | 5 |
| | B) | Describe fungal toxins with example. | 3 |