

Seat No.:-----

Enrolment No.:-----

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B. Pharm 5<sup>th</sup> 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.

- 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