

**MARCH 2006**

**[KO 311]**

**Sub. Code : 1031**

**M.Pharm. DEGREE EXAMINATION.**

**(Revised Regulations)**

**First Year**

**Branch VIII — Phytopharmacy and Phytomedicine**

**Paper II — ADVANCED PHARMACOGNOSY**

**(For candidates admitted from the year 2001–2002  
onwards)**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Long Essay : (2 × 15 = 30)**

**1. What are the nutrients essential for the  
production of plant tissue culture?**

**2. Give detailed account of fermentation technology  
with examples and application.**

**II. Short notes on :**

**(10 × 5 = 50)**

- 1. Morphine**
- 2. Assay of Atropine**
- 3. Sennosides**
- 4. Auxins and Gibberellins**
- 5. Growth kinetics**
- 6. Chemotaxonomy**
- 7. Biosynthesis of cholesterol**
- 8. Yeast**
- 9. Herbal cosmetics**
- 10. Shikimic acid pathway.**