

**[KG 311]**

**MARCH 2002**

**M.Pharm. DEGREE EXAMINATION.**

**(Revised Regulations)**

**First Year**

**Branch VIII — Phytopharmacy and Phytomedicine**

**Paper II — ADVANCED PHARMACOGNOSY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL Four questions.**

**All questions carry equal marks.**

1. (a) Explain the various techniques involved in the elucidation of plant biosynthetic pathways. (13)

(b) Describe the different systems of classification of crude drugs with their merits and demerits. (12)

2. (a) What is Chemotaxonomy? Discuss the chemotaxonomic significance of flavonoids. (13)

(b) Write a brief account of fermentation technology and its application. (12)

3. (a) Trace the history and development of plant tissue culture. (12)

(b) Discuss the importance of the various nutrient used in the preparation of media in tissue culture. (13)

4. Write short notes on :

(a) Isolation of sennosides

(b) Auxins and Gibberellins

(c) Commerce of Natural Medicinal products

(d) Biosynthesis of atropine.