

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm-Semester-III May-2012 Examination

Subject code:230006

Subject Name: Pharmacognosy - II

Time: 2:30pm to 5:30pm

Date:15-05-2012

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Give an account of physical properties, biological nature and chemistry of resins. **06**
(b) What are Sumatra and Siam Benzoin ? Give distinguishing tests. **05**
(c) What is Myrrh ? Give chief constituents and uses. **05**
- Q.2** (a) Draw structural formulae of Safrol, Myristicin and Dillapiolene and name the drug containing these constituents **06**
(b) Give the source, synonyms(if any), chemical constituents and uses of (i) Ginger and (ii) Turmeric **05**
(c) . Enumerate all possible differences between Indian and American Podophyllum. Tabulate your presentation **05**
- Q.3** (a) Describe physical and chemical methods to distinguish between Silk and wool. **06**
(b) What are surgical dressings ? Give the properties of an ideal Surgical dressings. **05**
(c) Write Note on Absorbent Cotton. **05**
- Q.4** (a) Compare and contrast tissues as seen in T.S. of both coriander and fennel. **06**
(b) Comment on the chemical constituents and medicinal usefulness of *Valeriana officinalis* and *Valeriana wallichii*. **05**
(c) Name various methods of isolation of volatile oils. Briefly outline any one of them. **05**
- Q.5** (a) Describe different types of plant extracts. **06**
(b) Discuss different tests for detection of Cardenolides and flavonoids **05**
(c) Write short note on Super Critical Fluid extraction of crude drug. **05**
- Q.6** (a) Explain the term Pharmaceutical aids. Enlist the name of crude drugs used as Pharmaceutical aids. Add a note on any one of them. **06**
(b) Bring out all differences between two types of catechu you have studied. **05**
(c) With the help of annotated sketch, describe T.S, of cardamom seed. **05**
- Q.7** (a) Write a note on adulterants of Clove. **06**
(b) Describe the collection and chemical constituents of Asafoetida **05**
(c) Give biological source, general characteristics and usefulness of Lemon grass oil **05**
