

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph SEM-III Examination- Dec.-2011

Subject code: 230006

Date: 23/12/2011

Subject Name: Pharmacognosy II

Time: 10.30 am-01.30 pm

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) Describe the cultivation of Cardamom. 06
(b) Describe the morphological characters of two fruits of Umbelliferae family. 06
(c) Describe Gambier fluorescein test 04
- Q.2 (a) Briefly describe the TS of Cinnamon with a neat and labeled diagram 06
(b) Classify resins 06
(c) Enumerate various fibres used in surgical dressings with their specific uses 04
- Q.3 (a) Write the pharmacognosy of cotton 06
(b) Write a short note on Natural Colours 06
(c) How can you differentiate chemically cardenolides and bufadienolides? 04
- Q.4 (a) Describe the method of obtaining low density volatile oil from crude drugs with description of the apparatus used. 06
(b) Write the source and uses of Jalap and Asafoetida. 06
(c) Give the source of Mulberry silk and its chemical constituents 04
- Q.5 (a) Define Pharmaceutical aids. Enumerate their applications in the pharmaceutical industry 06
(b) Describe the method of preparation and uses of pale catechu. 06
(c) In brief explain adulterants of clove 04
- Q.6 (a) Differentiate between animal and vegetable fibres 04
(b) What are vittae? Give one example of a drug containing vittae with a neat labeled diagram 04
(c) Describe general properties and test for tannins. 04
(d) Describe the source, chemical constituents and uses of Valerian. 04
- Q.7 (a) Write a note on screening of alkaloids 06
(b) Write a note on preparation of extracts 04
(c) Write a note on preparation of gelatin 04
