

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Pharmacy First Year Examination June 2009

**Subject code: 410003**

**Subject Name: Pharmacognosy**

**Date: 24/06/2009**

**Time: 11:30am-2:30pm**

**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) How will you isolate glycoside from crude drugs? **06**
  - (b) Write chemical constituents and uses of senna leaf. **05**
  - (c) Comment on – Digitalis leaves are dried immediately at 60°C. **05**
- Q.2**            Write Botanical Source, family, chemical constituents and uses of following drugs -
- (a) Clove **06**
  - (b) Amla **05**
  - (c) Cinchona **05**
- Q.3**
- (a) Write general characters of umbelliferous fruits. **08**
  - (b) Differentiate volatile oil from fixed oil. **04**
  - (c) Draw T.S. of Fennel and describe it. **04**
- Q.4**
- (a) What are crude drugs? Mention different sources of crude drugs. **06**
  - (b) Explain morphological and microscopical evaluation of crude drugs. **05**
  - (c) Write general chemical tests for alkaloids. **05**
- Q.5**
- (a) Differentiate ‘Laxative’, ‘Purgatives’ and ‘Cathartics’. **03**
  - (b) Write method of preparation and uses of medical castor oil. **07**
  - (c) Write a note on - Antitussives. **06**
- Q. 6**            Differentiate the followings -
- (a) Indian Colchicum Corm from European Colchicum Corm **05**
  - (b) Ceylon Cinnamon from Chinese Cinnamon **06**
  - (c) Black Catechu from Pale Catechu **05**
- Q.7**
- (a) Define pharmaceutical aids. Name different drugs used as pharmaceutical aids. **06**
  - (b) Write a note on - Vinca. **05**
  - (c) Differentiate Raw Cotton and Absorbent Cotton. **05**

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