

GUJARAT TECHNOLOGICAL UNIVERSITY**D.Ph. - SEMESTER- I • EXAMINATION – SUMMER 2013****Subject Code: 410003****Date: 15-05-2013****Subject Name: Pharmacognosy****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) Define Pharmacognosy. Write a note on history and scope of Pharmacognosy. **06**
(b) What are Adulterants? Discuss different methods of evaluation of crude drugs. **05**
(c) Write the difference between Pale catechu and Black catechu. **05**
- Q.2** (a) Define Crude drugs. Explain chemical and therapeutic classification of crude drugs with suitable examples, merits and demerits. **06**
(b) Write a note on Pharmaceutical aids. **05**
(c) Draw and describe morphology and microscopy of Datura leaf. **05**
- Q.3** Write a note on following:
(a) A drug used in deficiency of vitamin C. **06**
(b) General characters of Umbelliferous fruits. **05**
(c) Adulteration of Clove bud. **05**
- Q.4** (a) Write the difference between Ceylon cinnamon bark and Chinese cinnamon bark **06**
(b) Write a note on Perfumery and flavouring agents. **05**
(c) Describe the following chemical tests and give name, botanical source, family and uses of crude drugs which give these tests positive. **05**
i) Combined umbelliferone test ii) Thalleioquin test
- Q.5** (a) Write source, family, macroscopic characters, chemical constituents and uses of Rauwolfia. **06**
(b) Write a note on Enzymes. **05**
(c) Define Antirheumatics. Give the pharmacognostical account of any one drug used as antirheumatic. **05**
- Q. 6** (a) Discuss pharmacognosy of Senna leaf. **06**
(b) Define Volatile oils. Write the difference between volatile oil and fixed oil. **05**
(c) What are Surgical dressings? Classify surgical fibres. Differentiate silk and wool by their chemical tests. **05**
- Q.7** (a) Define and classify Alkaloids. Write general chemical tests for their identification in crude drugs. **06**
(b) Write a note on antidiabetic drugs from natural sources. **05**
(c) Write source, family, macroscopic characters, chemical constituents and uses of Garlic and Tobacco. **05**
