

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PHARMACY– SEMESTER – I • EXAMINATION – SUMMER 16

Subject Code: 410003**Date: 16.05.2016****Subject Name: Pharmacognosy****Time: 10:30 AM TO 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. Discuss different methods of classification of crude drugs with merits and demerits. **06**
- (b) Draw and label morphology and microscopy of Datura leaf and Fennel fruit. **05**
- (c) Differentiate between Hydrolysable tannins and Condensed tannins. **05**
- Q.2** (a) Define Adulteration. Mention different methods of adulteration with suitable examples. **06**
- (b) Write a note on Pharmaceutical aids. **05**
- (c) Write biological source, family, chemical constituents, uses and adulterants of Nuxvomica seed. **05**
- Q.3** (a) Write a Pharmacognostical note on Digitalis leaf. **06**
- (b) Describe the chemical tests for detection of following drugs: **05**
- i. Nuxvomica
- ii. Cinchona
- iii. Opium
- iv. Datura
- v. Ergot
- (c) Write a note on preparation and uses of Castor oil. **05**
- Q.4** (a) Differentiate given below. **06**
- i. Volatile oil/ Fixed oil
- ii. Pale catechu/ Black catechu
- iii. Cinnamon bark /Cassia bark
- (b) Write a note on adulterants of Clove bud. **05**
- (c) Write Biological source, family, chemical constituents and uses of Shankhpushpi or Gokhru. **05**
- Q.5** (a) Define Alkaloids with their properties. Classify them with suitable examples. **06**
- (b) Give a note on Shark liver oil and Amla. **05**
- (c) Define Enzymes. Write the source, properties, method of preparation and uses of Diastase. **05**
- Q. 6** (a) Write biological source, family, chemical constituents and uses of following drugs: (Any three) **06**
- i. Chaulmoogra oil
- ii. Vasaka
- iii. Ipecae
- iv. Rouwolfia
- v. Garlic
- (b) Give definition of Glycoside. Enumerate different chemical tests for glycoside in brief. **05**

(c) Give a note on Senna leaf. **05**

Q.7 (a) Write biological source, family, macroscopical characters, chemical constituents of Cotton and Silk. **06**

(b) Write a note on Diuretic drugs of your syllabus. **05**

(c) Write a note on Umbelliferous fruits. **05**
