

GUJARAT TECHNOLOGICAL UNIVERSITY
D. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2014

Subject Code: 410003**Date: 29-12-2014****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) Enumerate Indian systems of medicine & describe Ayurvedic system. **06**
(b) Enlist various methods of classification and explain morphological classification with example. **05**
(c) Enlist various methods of Adulteration & describe any one method. **05**
- Q.2** (a) Write down definition & classification of Alkaloids. **06**
(b) Write down Sill's classification of Glycosides. **05**
(c) Write down Identification tests of Alkaloids. **05**
- Q.3** (a) Give difference between followings : **06**
i) Volatile oils & fixed oils
ii) Hydrolysable tannins & condensed tannins
(b) Write a note on Pharmaceutical aids. **05**
(c) Write a note on Perfumes & flavouring agents. **05**
- Q.4** (a) Write down following chemical tests : (Any 2) **06**
i) Goldbeater's skin test
ii) Modified borntrager's test
iii) Grignard reaction
(b) Draw & label microscopy of Nuxvomica seed. **05**
(c) Write a note on Anti malarial drug. **05**
- Q.5** (a) Write down Botanical source & uses of followings : **06**
i) Senna
ii) Fennel
iii) Digitalis
iv) Coriander
v) Belladonna
vi) Neem
(b) Write a note on Antitussive drugs. **05**
(c) Write a note on Antitumour drug. **05**
- Q. 6** (a) Write down Botanical source, chemical constituents & uses of followings : **06**
i) Castor oil
ii) Garlic
iii) Tobacco
iv) Cinnamon
v) Aconite
vi) Black pepper
(b) Write down general characteristics of Umbelliferous fruits. **05**

- (c) Give specific chemical test of following drugs : (Any 5) 05
- i) Asafoetida
 - ii) Datura
 - iii) Nuxvomica
 - iv) Ipecac
 - v) Cinchona
 - vi) Ergot
- Q.7** (a) Give difference between followings : 06
- i) Bada gokhru & chhota gokhru
 - ii) Pale catechu & black catechu
 - iii) Silk & wool
- (b) Write down cultivation, collection & preparation of Opium. 05
- (c) Write a note on adulterants of clove bud. 05
