

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PHARMACY – SEMESTER – I-EXAMINATION – WINTER 2015

Subject Code: 410003

Date: 08/12/2015

Subject Name: Pharmacognosy

Time: 10:30 AM TO 1:30 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 in detail history and scope of Pharmacognosy. **06**
(b) Enlist different method of classification of crude drugs. Describe in detail pharmacological classification. **05**
(c) Write a note on physical evaluation of crude drugs. **05**
- Q.2** (a) Define adulteration. Discuss different method of adulteration. **06**
(b) Define and classify alkaloids with examples. **05**
(c) Write short note on glycosides. **05**
- Q.3** (a) Write a short note on ispaghula. **06**
(b) Write biological source, family, chemical constituents, uses and chemical tests of digitalis. **05**
(c) Write note on adulteration of clove. **05**
- Q.4** Differentiate the followings
(a) T.S. of fennel & T.S. of coriander **06**
(b) Pale catechu & Black catechu **05**
(c) Indian colchicum & European colchicum **05**
- Q.5** (a) Write biological source, family, chemical constituents and uses of following drugs (Any three) **06**
(i) Nuxvomica (ii) Belladonna (iii) Vasaka (iv) Vinca (v) Rauwolfia
(b) Write a note on antidysentric drugs. **05**
(c) Draw and label microscopy of senna leaf. **05**
- Q.6** (a) Describe the following chemical test and give name of drug which gives this test positive **06**
(i) Thalleoquin test (ii) Combined umbeliferon test (iii) Vitali-morin test
(b) Write short note on enzymes. **05**
(c) Describe life cycle of ergot. **05**
- Q.7** (a) Discuss Pharmacognosy of liquorice. **06**
(b) Write short note on pharmaceutical aids. **05**
(c) Write pharmacognostic note on cotton and silk. **05**
