

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 4- EXAMINATION –WINTER - 2018

Subject Code:240006**Date: 14/12/2018****Subject Name: Pharmacognosy - III****Time:02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

1. (a)What are Glycosides? Give details of their classification with examples. 6
(b) Give Pharmacognosy of Rhubarb. 5
(c)) Write a note on Cascara bark 5
2. (a) What are saponins ? How Saponins are classified ? Give details of their identification tests. 6
(b) Write Pharmacognosy of Liquorice. 5
(c) Write a note on Indian Liquorice. 5
3. (a) What are cardiac Glycosides ?Write a note on Cardinolides and Buffadienolides. 6
(b)Write Pharmacognosy of Digitalis. 5
(c) Give identification tests of Cardiac glycosides. 5
4. (a)What are Anthraquinone Glycosides ? Give details of their identification tests. 6
(b) Give differences of Indian and Alexandrian Senna 5
(c) Give Pharmacognostical account of Senna. 5
5. (a) What are Cyanogenic Glycosides? Give Pharmacognosy of Linseed. 6
(b) Write Pharmacognosy of Squill. 5
(c) Write differences of *Ammi majus* and *Ammi Visnaga*. 5
6. (a) What are Bitter Glycosides? Give differences of Chirata and Kalmegh 6
(b)Give differences of *Digitalis Purpurea* and *Digitalis Lanata*. 5
(c)Write a note on preparations of Aloes. 5
7. (a)Write short notes on Diastase and Papain. 6
(b) Write a note on Bavchi. 5
(c)Give a detailed account of a drug containing Isothiocyanate Glycosides. 5