

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – IV • EXAMINATION – WINTER 2013

Subject Code: 240006**Date: 07-12-2013****Subject Name: Pharmacognosy-III****Time: 02.30 pm - 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.

- | | | |
|-------------|---|-----------|
| Q.1 | (a) Define glycosides. Write their classification and chemistry. | 06 |
| | (b) Write botanical source, family, chemical constituents, pharmacology and uses of Senna leaf. | 05 |
| | (c) Write chemical tests for Senna leaf and explain the principal behind these tests. | 05 |
| Q.2 | (a) Define saponins, classify them and write their distribution and properties. Enlist drugs that contain saponins. | 06 |
| | (b) Write Pharmacognosy of Liquorice root. | 05 |
| | (c) Write a note on Ginseng. | 05 |
| Q.3 | (a) Write in method of preparation and uses of Papain. | 06 |
| | (b) Differentiate <i>Digitalis purpurea</i> and <i>Digitalis lanata</i> . | 05 |
| | (c) Write a note on Mustard. | 05 |
| Q.4 | (a) Enlist drugs containing bitter glycosides. Write chemical constituents and uses of Chirata. | 06 |
| | (b) Write a short note on Quassia wood. | 05 |
| | (c) Draw and describe TS of Cascara bark. | 05 |
| Q.5 | (a) Write a chemistry of coumarins. | 06 |
| | (b) Mention name of drugs used in leucoderma. Write morphology and chemical constituents of one such drug. | 05 |
| | (c) Draw and describe TS of Linseed. | 05 |
| Q. 6 | (a) Write a note on Rue. | 06 |
| | (b) Write a note on Almond. | 05 |
| | (c) Write a note on Thevetia. | 05 |
| Q. 7 | (a) Define Aloes. Write sources of Aloe and their chemical composition. | 06 |
| | (b) Write method of preparation of hepatic or livery Aloe. | 05 |
| | (c) Give chemical tests for Aloe. | 05 |
