

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. SEMESTER – IV (OLD Syllabus) • EXAMINATION – SUMMER • 2015

Subject Code: 240006

Date: 10-06-2015

Subject Name: Pharmacognosy-III

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.

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| Q.1 | (a) Define and classify Glycosides with suitable examples. | 06 |
| | (b) Differentiate steroidal saponins and pentacyclic triterpenoid saponins. | 05 |
| | (c) Discuss identification tests for Saponin glycosides. | 05 |
| Q.2 | (a) Write a short note on anthraquinone glycosides. | 06 |
| | (b) Differentiate cardenolides and bufadienolides. | 05 |
| | (c) Give hydrolysis products of purpurea glycoside A and purpurea glycoside B. | 05 |
| Q.3 | (a) Write a pharmacognostic note on Liquorice. | 06 |
| | (b) Write a short note on Rutagraveolens. | 05 |
| | (c) Write biological source, chemical constituents and uses of Linseed. | 05 |
| Q.4 | (a) Discuss in detail the transverse section of Chirata stem. | 06 |
| | (b) Describe commercial varieties of Aloe. | 05 |
| | (c) Write biological source, preparation and uses of Papain. | 05 |
| Q.5 | (a) Draw a neat labeled T.S. of Senna leaf. Write the adulterants and substitutes of Senna leaf. | 06 |
| | (b) Write biological source, chemical constituents and uses of Kalmegh. | 05 |
| | (c) Write a short note on Amylase. | 05 |
| Q. 6 | (a) Write a pharmacognostic note on Sarsaparila. | 06 |
| | (b) Enumerate proteolytic enzymes and write identification test for pepsin. | 05 |
| | (c) Discuss the phytoconstituents and uses of Ginseng. | 05 |
| Q. 7 | (a) Define and classify Enzymes with suitable examples. | 06 |
| | (b) Discuss identification test for anthraquinone cathartics and cyanogenetic glycosides. | 05 |
| | (c) Discuss the pharmacognosy of a drug containing isothiocyanate glycoside. | 05 |
