

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm SEMESTER IV EXAMINATION – WINTER -2017

Subject Code:240006

Date: 30-11-2017

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.

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| Q.1 | (a) Define and classify Glycosides. | 06 |
| | (b) Give pharmacognostic account of Maxican Yam. | 05 |
| | (c) Discuss substituents and adulterants of Strophanthus. | 05 |
| Q.2 | (a) Write a note on Purpureosides and Lanatosides. | 06 |
| | (b) Write a note on Cyanogenetic glycoside. | 05 |
| | (c) Write a note on common extraction method of Glycosides. | 05 |
| Q.3 | (a) What do you mean by proteolytic enzyme? Enumerate those from your syllabus and describe any one in detail. | 06 |
| | (b) Write a pharmacognosy of Mustard. | 05 |
| | (c) Write a note on drug which is used in treatment of Vitiligo from your syllabus | 05 |
| Q.4 | (a) Write a brief note on Papain. | 06 |
| | (b) Write general properties, chemical tests and mechanism of purgative action of Anthraquinone glycosides. | 05 |
| | (c) What do you mean by Indian Rhubarb, Chinese Rhubarb and Rhapontic Rhubarb. Give important diagnostic features of the same. | 05 |
| Q.5 | (a) Differentiate Cardenolides from Bufadienolides. | 06 |
| | (b) Differentiate <i>Ammi majus</i> from <i>Ammi visnaga</i> . | 05 |
| | (c) Define Enzyme. Write properties of enzymes. | 05 |
| Q. 6 | (a) Write down preparation methods and chemical tests of Aloe. | 06 |
| | (b) Write a note on cardiotonic drug belongs to Liliaceae family from your syllabus. | 05 |
| | (c) Give biological source, chemical constituents and used of Five finger root and Snake root. | 05 |
| Q.7 | (a) Give biological source, chemical constituents and uses of Picrorrhiza, Quassia, Chirata. | 06 |
| | (b) Differentiate <i>Digitalis purpurea</i> from <i>Digitalis lanata</i> . | 05 |
| | (c) Draw and label transverse section of Flax seed. | 05 |
