

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 4 EXAMINATION – SUMMER -2019

Subject Code: 240006

Date: 20-05-2019

Subject Name: Pharmacognosy - III

Time: 10:30 AM TO 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 Glycosides. Write in detail about classification of Glycosides. | 06 |
| | (b) Write in detail about general method for isolation of Glycosides. | 05 |
| | (c) Write various properties of Glycosides. | 05 |
| Q.2 | (a) What is Saponins? Write properties of saponins. Enlist various saponin glycosides containing drugs. | 06 |
| | (b) Write a short note on Jethimadh mentioning its medicinal importance. | 05 |
| | (c) Give botanical source, family, chemical constituents and uses of Quillaia bark. | 05 |
| Q.3 | (a) Write a comparative study between Cardenolide and Bufadienolide. | 06 |
| | (b) Write chemistry of various Digitalis glycosides. | 05 |
| | (c) Write morphology of Strophanthus. | 05 |
| Q.4 | (a) Mention about various variety of Aloe depending upon its geographical source. | 06 |
| | (b) Write a difference between Indian Senna and Alexandrian Senna. | 05 |
| | (c) Give botanical source, chemical constituents and uses of Rhubarb. | 05 |
| Q.5 | (a) Write a short note on Bitter Glycosides. | 06 |
| | (b) Describe microscopical study of Andrographis paniculata. | 05 |
| | (c) Draw microscopy of Quassia wood. | 05 |
| Q. 6 | (a) Define cyanogenetic glycoside. Draw morphology of Linseed. | 06 |
| | (b) What is Isothiocyanate glycoside. Write in brief about Black mustard. | 05 |
| | (c) Write a short note on Flanonoids mentioning Ruta graveolens. | 05 |
| Q.7 | (a) Define Enzyme. \Write various properties of Enzymes. | 06 |
| | (b) Write source and uses of Diastase. | 05 |
| | (c) Write a short note on Pancreatine. | 05 |
