

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER-VII • EXAMINATION – SUMMER-2017

Subject Code: 270005**Date: 08/05/2017****Subject Name: Pharmacognosy VI (Herbal Drug Technology)****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) Write a comparative note on guggul and salai guggul. | 06 |
| | (b) Write a detailed note on natural allergens. | 05 |
| | (c) Write a note on non-saccharine plant sweetners | 05 |
| Q.2 | (a) Write in detail about plants used under the name of brahmi. | 06 |
| | (b) Write a note on plant bitters. | 05 |
| | (c) Write a comprehensive note on mycotoxins. | 05 |
| Q.3 | (a) Define chromatography. Give classification and discuss underlying principles. | 06 |
| | (b) Write in detail about application of high performance thin layer chromatography in plant drug analysis. | 05 |
| | (c) Write a note on ion exchange and counter current chromatography techniques. | 05 |
| Q.4 | (a) Write in detail about plants used under the name of rasna. | 06 |
| | (b) Write a note on important plants used in herbal cosmetics for hair care. | 05 |
| | (c) Write in detail about photosensitizing agents from plant source. | 05 |
| Q.5 | (a) Write a detailed note on insecticides, pesticides and herbicides from natural source. | 06 |
| | (b) Write principle of thin layer chromatography and discuss various methods of development. | 05 |
| | (c) Enlist AHA (α -hydroxy acids) and give their sources and importance for skin care | 05 |
| Q. 6 | (a) Write a detailed note on important drugs from marine source. | 06 |
| | (b) Discuss chemotaxonomic importance of alkaloids. | 05 |
| | (c) Write in detail about drugs of your syllabus containing flavonoids and tannins. | 05 |
| Q.7 | (a) Write in detail about plants used under the name of shankhpushpi. | 06 |
| | (b) Discuss importance of high pressure liquid chromatography in plant drug analysis. | 05 |
| | (c) Write a note on a fruit drugs of your syllabus. | 05 |
