

**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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|-------------|---|-----------|
| <b>Q.1</b>  | (a) Write a comparative note on guggul and salai guggul.  | <b>06</b> |
|             | (b) Write a detailed note on natural allergens.   | <b>05</b> |
|             | (c) Write a note on non-saccharine plant sweeteners   | <b>05</b> |
| <b>Q.2</b>  | (a) Write in detail about plants used under the name of brahmi.   | <b>06</b> |
|             | (b) Write a note on plant bitters.  | <b>05</b> |
|             | (c) Write a comprehensive note on mycotoxins.   | <b>05</b> |
| <b>Q.3</b>  | (a) Define chromatography. Give classification and discuss underlying principles.                           | <b>06</b> |
|             | (b) Write in detail about application of high performance thin layer chromatography in plant drug analysis. | <b>05</b> |
|             | (c) Write a note on ion exchange and counter current chromatography techniques.                             | <b>05</b> |
| <b>Q.4</b>  | (a) Write in detail about plants used under the name of rasna.  | <b>06</b> |
|             | (b) Write a note on important plants used in herbal cosmetics for hair care.                                | <b>05</b> |
|             | (c) Write in detail about photosensitizing agents from plant source.  | <b>05</b> |
| <b>Q.5</b>  | (a) Write a detailed note on insecticides, pesticides and herbicides from natural source.                   | <b>06</b> |
|             | (b) Write principle of thin layer chromatography and discuss various methods of development.                | <b>05</b> |
|             | (c) Enlist AHA ( $\alpha$ -hydroxy acids) and give their sources and importance for skin care               | <b>05</b> |
| <b>Q. 6</b> | (a) Write a detailed note on important drugs from marine source.  | <b>06</b> |
|             | (b) Discuss chemotaxonomic importance of alkaloids.   | <b>05</b> |
|             | (c) Write in detail about drugs of your syllabus containing flavonoids and tannins.                         | <b>05</b> |
| <b>Q.7</b>  | (a) Write in detail about plants used under the name of shankhpushpi.                                       | <b>06</b> |
|             | (b) Discuss importance of high pressure liquid chromatography in plant drug analysis.                       | <b>05</b> |
|             | (c) Write a note on a fruit drugs of your syllabus.   | <b>05</b> |

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