

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

**Subject Code: 2270013**

**Date: 10/05/2017**

**Subject Name: Agronomy and Forestry of Medicinal Plants**

**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.

|             |                                                                                                   |           |
|-------------|---------------------------------------------------------------------------------------------------|-----------|
| <b>Q.1</b>  | (a) Write a note on <i>in-situ</i> conservation of biodiversity in medicinal plants.              | <b>06</b> |
|             | (b) Write a note on ICUN guidelines on conservation of medicinal plants.                          | <b>05</b> |
|             | (c) Write a note on biodiversity hot spot in India.                                               | <b>05</b> |
| <b>Q.2</b>  | (a) Discuss in detail about Phytogeographical regions and vegetation of India                     | <b>06</b> |
|             | (b) Discuss national forest policy 1988.                                                          | <b>05</b> |
|             | (c) Define biodiversity. Discuss causes of loss of biodiversity.                                  | <b>05</b> |
| <b>Q.3</b>  | (a) Define forest. Write basis for classification and distribution of forest in India.            | <b>06</b> |
|             | (b) Write a note on role of national parks and wildlife sanctuaries.                              | <b>05</b> |
|             | (c) Discuss wildlife protection act 1972.                                                         | <b>05</b> |
| <b>Q.4</b>  | (a) Write Definition, object and scope of silviculture.                                           | <b>06</b> |
|             | (b) Discuss role of forests in national economy.                                                  | <b>05</b> |
|             | (c) Write a note on Forest conservation act 1980.                                                 | <b>05</b> |
| <b>Q.5</b>  | (a) Write classification of medicinal and aromatic plants according to botanical characteristics. | <b>06</b> |
|             | (b) Discuss biodiversity in relation to global environmental changes.                             | <b>05</b> |
|             | (c) Give a note on silviculture of eucalyptus and acacia.                                         | <b>05</b> |
| <b>Q. 6</b> | (a) Define ecosystem. Write conservation of plant and ecosystem in India.                         | <b>06</b> |
|             | (b) Discuss Indian biodiversity act 2002.                                                         | <b>05</b> |
|             | (c) Give importance of medicinal plants in human health and national economy.                     | <b>05</b> |
| <b>Q.7</b>  | (a) Discuss in detail about WHO guidelines on conservation of medicinal plants.                   | <b>06</b> |
|             | (b) Write a note on national and global conservation measures                                     | <b>05</b> |
|             | (c) Give a note on silviculture of pterocarpus and santalum.                                      | <b>05</b> |

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