

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**B.PHARM – SEMESTER – VII • EXAMINATION – WINTER – 2015**

**Subject Code: 2270013**

**Date: 16/12/2015**

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

**Time: 10.30 AM to 1.30 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) | Define biodiversity. Discuss causes of loss of biodiversity.                                  | <b>06</b> |
|             | (b) | Write a note on <i>in-situ</i> conservation of biodiversity in medicinal plants.              | <b>05</b> |
|             | (c) | Discuss biodiversity with special reference to India.   | <b>05</b> |
| <b>Q.2</b>  | (a) | WHO guidelines on conservation of medicinal plants.   | <b>06</b> |
|             | (b) | Discuss national forest policy 1988.  | <b>05</b> |
|             | (c) | Write a note on salient features of major forest type.  | <b>05</b> |
| <b>Q.3</b>  | (a) | Define forest. Write basis for classification and distribution of forest in india.            | <b>06</b> |
|             | (b) | Discuss role of forests in national economy.  | <b>05</b> |
|             | (c) | Discuss wildlife protection act 1972.   | <b>05</b> |
| <b>Q.4</b>  | (a) | Give importance of medicinal plants in human helth and national economy.                      | <b>06</b> |
|             | (b) | Discuss methods of Conservation.  | <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) | Short note on role of national parks in conservation.   | <b>05</b> |
|             | (c) | Discuss biodiversity in relation to global environmental changes.                             | <b>05</b> |
| <b>Q. 6</b> | (a) | Define silviculture. Discuss scope and objectives of silviculture.                            | <b>06</b> |
|             | (b) | Give a note on silviculture of eucalyptus and acacia.   | <b>05</b> |
|             | (c) | Short note on Phytogeographical regions and vegetation in India.                              | <b>05</b> |
| <b>Q.7</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) | Write a note on biodiversity hot spot in india.   | <b>05</b> |

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