

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019**

**Subject Code: 2270013****Date: 20-05-2019****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.

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|-------------|--|-----------|
| <b>Q.1</b>  | (a) Define biodiversity. Describe causes of loss of biodiversity.                                    | <b>06</b> |
|             | (b) Give a note on salient features of major forest type.  | <b>05</b> |
|             | (c) Explain national and global conservation measures.   | <b>05</b> |
| <b>Q.2</b>  | (a) Give basis for classification and distribution of forest in India.                               | <b>06</b> |
|             | (b) Write a note on methods of conservation.   | <b>05</b> |
|             | (c) Discuss wildlife protection act 1972.  | <b>05</b> |
| <b>Q.3</b>  | (a) Describe classification of medicinal and aromatic plants according to botanical characteristics. | <b>06</b> |
|             | (b) Discuss <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.4</b>  | (a) Define silviculture. What are scope and objectives of silviculture?                              | <b>06</b> |
|             | (b) Explain role of wildlife sanctuaries in conservation.  | <b>05</b> |
|             | (c) Discuss biodiversity hot spot in India.  | <b>05</b> |
| <b>Q.5</b>  | (a) Explain significance of medicinal plants in human health and national economy.                   | <b>06</b> |
|             | (b) Write a note on silviculture of dalbergia and pterocarpus.                                       | <b>05</b> |
|             | (c) Discuss national forest policy 1988.   | <b>05</b> |
| <b>Q. 6</b> | (a) Define ecosystem. Describe conservation of plant and ecosystem in India.                         | <b>06</b> |
|             | (b) Write a note on role of forests in national economy.   | <b>05</b> |
|             | (c) Discuss Forest conservation act 1980.  | <b>05</b> |
| <b>Q.7</b>  | (a) Discuss Phytogeographical regions and vegetation of India in detail.                             | <b>06</b> |
|             | (b) Describe WWF guidelines on conservation of medicinal plants.                                     | <b>05</b> |
|             | (c) Describe biodiversity in relation to global environmental changes.                               | <b>05</b> |

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