

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph.- SEMESTER-VII • EXAMINATION – WINTER -2021

Subject Code: 2270013**Date: 06/12/2021****Subject Name: Agronomy and Forestry of Medicinal Plants****Time: 10:30am to 01:30pm****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) Define Ecosystem. Discuss structure of ecosystem in detail. | 06 |
| | (b) Explain briefly ecosystem biodiversity in India. | 05 |
| | (c) What do you mean by phytogeographical region? Explain briefly various phytogeographical region of India. | 05 |
| Q.2 | (a) Discuss regarding The National Forest Policy 1894 and its revisions in India brief. | 06 |
| | (b) Write a note on classification of forest according to constitution of India. | 05 |
| | (c) Discuss role of forest in National Economy. | 05 |
| Q.3 | (a) Discuss Biodiversity. Discuss causes of loss of Biodiversity. | 06 |
| | (b) Discuss advantage of cultivation of medicinal plants by agroforestry system over standard agricultural system. | 05 |
| | (c) Discuss Biodiversity in relation to global environmental changes. | 05 |
| Q.4 | (a) Define Biodiversity hotspot. Explain biodiversity hotspots of India. | 06 |
| | (b) Write a note on world impact of cultivation and gathering of medicinal plants on biodiversity. | 05 |
| | (c) Write a note on in-situ conservation of biodiversity in medicinal plants. | 05 |
| Q.5 | (a) Write a note on aim and objective of The Forest Conservation Act 1980 and The Wildlife Protection Act 1972. | 06 |
| | (b) Write a note on biosphere reserve. | 05 |
| | (c) Discuss Indian Biodiversity Act 2002. | 05 |
| Q.6 | (a) Define silviculture. Discuss scope and objectives of silviculture. | 06 |
| | (b) Discuss role of wild life sanctuaries and national parks in conservation of medicinal plants. | 05 |
| | (c) Discuss in brief regarding IUCN guideline on conservation of medicinal plants. | 05 |
| Q.7 | (a) Discuss in detail importance of medicinal and aromatic plants in human health. | 06 |
| | (b) Discuss classification of medicinal and aromatic plants according to botanical characteristics. | 05 |
| | (c) Give a note on silviculture of tectonea and shorea. | 05 |
