

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm – SEMESTER VII • EXAMINATION – WINTER -2020

Subject Code: 2270013**Date: 16/01/2021****Subject Name: Agronomy and Forestry of Medicinal Plants****Time: 10:30AM To 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any THREE questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|-----|--|-----------|
| Q.1 | (a) | Write about conservation of medicinal plants and their ecosystem in India. | 06 |
| | (b) | Write a short note on Ecological diversity for cultivation of medicinal plants. | 05 |
| | (c) | Brief about The Indian Forest Act, 1927. | 05 |
| Q.2 | (a) | Write a comparison between The National Forest Policy 1894, 1952 and 1988. | 06 |
| | (b) | Write down basis for classification of forests in India. | 05 |
| | (c) | Give a short note on Geographical distribution of forests in India. | 05 |
| Q.3 | (a) | Mention the role of forests in national economy. | 06 |
| | (b) | Write the factors affecting cultivation of medicinal plants in agro forestry systems. | 05 |
| | (c) | What is Biodiversity? Write principles of conservation of biological diversity <i>in-situ</i> and <i>ex-situ</i> . | 05 |
| Q.4 | (a) | Enlist various reasons which are causing loss of biodiversity. Explain in brief. | 06 |
| | (b) | Write a short note on biodiversity in relation to global environmental changes. | 05 |
| | (c) | Give in brief about The Indian Biodiversity Act 2002. | 05 |
| Q.5 | (a) | Write about The Forest Conservation Act, 1980 and its amendments if any. | 06 |
| | (b) | Explain the role of The Wildlife Protection Act, 1972 for the conservation of animals. | 05 |
| | (c) | Write down role of National parks and Wildlife sanctuaries. | 05 |
| Q. 6 | (a) | Explain about various national and global conservation measures. | 06 |
| | (b) | Write World Health Organization (WHO) guidelines for the conservation of medicinal plants. | 05 |
| | (c) | What is WWF. Explain in detail. | 05 |
| Q.7 | (a) | Define Silviculture. Write down its objects and scope. | 06 |
| | | OR | |
| | (a) | Write about cultivation of Eucalyptus and Santalum. | 06 |
| | | OR | |
| | (a) | Give in brief about importance of medicinal and aromatic plants in human health. | 06 |
