

Seat No.: _____

Enrolment No. _____

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

Subject Code: 2270013**Date: 28-11-2019****Subject Name: Agronomy and Forestry of Medicinal Plants****Time: 10:30AM TO 01:30PMP****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) | Discuss TRAFFIC as the wildlife trade monitoring network for the conservation of medicinal plants with challenges and opportunities. | 06 |
| | (b) | Write note on silviculture with their scope and objective. | 05 |
| | (c) | Define biodiversity. Explain causes of loss of biodiversity. | 05 |
| Q.2 | (a) | Explain the Forest Conservation Act, 1980. | 06 |
| | (b) | Write note on biodiversity in relation to global environmental changes. | 05 |
| | (c) | Discuss world impact of cultivation and gathering of medicinal plants on biodiversity. | 05 |
| Q.3 | (a) | Discuss the role of forests in national economy. | 06 |
| | (b) | Write note on various ways of cultivation of medicinal plants in agroforestry system. | 05 |
| | (c) | Define ecology, diversity and conservation of plants and briefly discuss ecosystem structure of India. | 05 |
| Q.4 | (a) | Classify medicinal and aromatic plants according to botanical characteristics. | 06 |
| | (b) | Briefly discuss aim and objective of The Indian Forest Act 1927 with demerits and enumerate amendments of the act. | 05 |
| | (c) | Write a note on importance of medicinal and aromatic plants in human health. | 05 |
| Q.5 | (a) | Describe silviculture of dalbergia and quercus. | 06 |
| | (b) | Discuss role of institutions and conventions in conservation. | 05 |
| | (c) | Discuss basis of classification of forest in India. | 05 |
| Q.6 | (a) | Discuss aim and objective of The Forest Conservation Act 1980 and The Wildlife Protection Act 1972. | 06 |
| | (b) | Write a note on salient features of major forest types. | 05 |
| | (c) | Define forest. Write basis for classification and distribution of forest in India. | 05 |
| Q.7 | (a) | Write a note on The National Forest Policy with emphasis of year 1894, 1952 and 1988. | 06 |
| | (b) | Discuss role of national parks and wildlife sanctuaries in conservation of wildlife. | 05 |
| | (c) | Discuss ex-situ principles of conservation of biological diversity. | 05 |
