

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm. – SEMESTER – III • EXAMINATION – SUMMER • 2015

Subject Code: 930105**Date: 13-05-2015****Subject Name: Traditional Drugs****Time: 02:30 pm - 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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|-------------|------------|--|-----------|
| Q.1 | (a) | Discuss biodiversity in detail giving suitable examples. | 06 |
| | (b) | Give brief account on techniques used in conservation of medicinal plants. | 05 |
| | (c) | Role of traditional drugs in national economy. | 05 |
| Q.2 | (a) | Write brief essay on plant growth regulators. | 06 |
| | (b) | Give brief note on volatile oil based industry in India. | 05 |
| | (c) | Discuss chemotaxonomy of volatile oil with relevant examples. | 05 |
| Q.3 | (a) | Discuss on Journals: A tool for getting information on herbal medicine. | 06 |
| | (b) | Write note on online database: A source for herbal medicine information. | 05 |
| | (c) | Describe different approaches for discovering drugs from medicinal plants. | 05 |
| Q.4 | (a) | Write steps for isolation and purification of vasicine from plant source. | 06 |
| | (b) | Give role of steroidal alkaloids and write estimation of solasodine. | 05 |
| | (c) | Enlist and discuss therapeutic importance and identification test for picrosides. | 05 |
| Q.5 | (a) | Write source, isolation and estimation of morphine. | 06 |
| | (b) | Explain therapeutic importance of rutin and discuss estimation of the same. | 05 |
| | (c) | Give identification tests for sennosides and discuss estimation of sennoside. | 05 |
| Q. 6 | (a) | Write source, isolation and identification tests for quinine. | 06 |
| | (b) | Give brief account on vinca alkaloids. | 05 |
| | (c) | Give isolation procedure and industrial importance of diosgenin. | 05 |
| Q.7 | (a) | Write steps involved in isolation of glycyrrhizin and give its medicinal significance. | 06 |
| | (b) | Discuss anthraquinone glycosides in detail. | 05 |
| | (c) | Write source, identification test and isolation steps for reserpine | 05 |
