

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm – SEMESTER III • EXAMINATION – WINTER-2016

Subject Code: 930105**Date: 23/11/2016****Subject Name: Traditional Drugs****Time: 10.30 am – 01.30 pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss the role of ancient literature in Drug Discovery from medicinal plants. **06**
(b) Comment: “An unknown herb can be the source of new drug molecule”. **05**
(c) Give an importance of biodiversity conservation in relation to medicinal plants. **05**
- Q.2** (a) Explain with suitable examples, “Traditional medicinal plants contribute significantly in economic development of India”. **06**
(b) Describe various methods used for conservation of medicinal plants. **05**
(c) Discuss the role of Gene Bank in conservation process. **05**
- Q.3** (a) Give various sources for diosgenin and method for its isolation and conversion to pharmacologically important derivatives. **06**
(b) Enumerate various tests to check the presence of anthraquinones in crude drug. **05**
(c) Write down an isolated method of Ephedrine from ephedra plant? **05**
- Q.4** (a) Describe any two analytical methods for estimation of sennosides in crude drug. **06**
(b) Write method for isolation and identification of quinine. **05**
(c) Make an account of sources for herbal medicine information. **05**
- Q.5** (a) Discuss chemotaxonomy of volatile oil in medicinal plants. **06**
(b) Write economic importance of volatile oil containing medicinal plants of India. **05**
(c) Write about therapeutic importance of vasicine, its derivatives and chromatographic estimation in herbal preparations. **05**
- Q. 6** (a) What are plant growth regulators? Classify them with suitable examples. **06**
(b) Explain isolation method of an active constituent from “kadu”. **05**
(c) Describe method for estimation of glycyrrhizin in licorice. **05**
- Q.7** (a) Write sources of morphine, its method of isolation, identification tests and its derivatives. **06**
(b) Discuss isolation method of steroidal alkaloid and its medicinal significance. **05**
(c) Discuss chromatographic estimation method for proven antihypertensive drug included in your syllabus. **05**
