

GUJARAT TECHNOLOGICAL UNIVERSITY**M. Pharm – SEMESTER III– • EXAMINATION – SUMMER 2016****Subject Code: 930105****Date: 27/05/2016****Subject Name: Traditional Drugs****Time: 2:30 PM to 5:30 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) Write a note on estimation method of Morphine. | 06 |
| | (b) Write the isolation method of glycyrrhizin. | 05 |
| | (c) Give the estimation of total anthraquinone in plant material. | 05 |
| Q.2 | (a) Write the isolation and purification method of Quinine. | 06 |
| | (b) Give the estimation method of Ephedrine. | 05 |
| | (c) Write a brief note on importance of Diosgenin. | 05 |
| Q.3 | (a) What is biodiversity? Give the importance of biodiversity. | 06 |
| | (b) Enlist different approaches of in-situ OR ex-situ conservation of medicinal Plants. | 05 |
| | (c) Discuss the role of natural products in drug discovery. | 05 |
| Q.4 | (a) Write a note on chemotaxonomy of Volatile oils | 06 |
| | (b) Give the role of volatile oils in different medicines. | 05 |
| | (c) Give the industrial importance of volatile oils. | 05 |
| Q.5 | (a) Define plant growth regulators. How do they influence the growth of plants? | 06 |
| | (b) Write a note on Cytokinins. | 05 |
| | (c) Write a note on Auxins and their applications. | 05 |
| Q. 6 | (a) Write a brief note on importance of Vinca alkaloids | 06 |
| | (b) Tabulate colour reactions of morphine and its identification. | 05 |
| | (c) Write the isolation method of Rutin. | 05 |
| Q.7 | (a) Write note on estimation of Vasicine. | 06 |
| | (b) Write a brief note on importance of Resrepines. | 05 |
| | (c) Enlist five different books and periodicals for providing herbal medicines. | 05 |
