

GUJARAT TECHNOLOGICAL UNIVERSITY**B.PHARM. - SEMESTER-VIII • EXAMINATION – SUMMER-2016****Subject Code: 280005****Date: 06/05/2016****Subject Name: Pharmacognosy VII (Herbal formulation and complementary Therapies)****Time: 10:30am to 1:30pm****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) | Enumerate the different Ayurvedic formulations and explain Ghirta and Taila in detail. | 06 |
| | (b) | Explain the basic principles of Ayurvedic system of medicines. | 05 |
| | (c) | Justify Comment: Bhasma as ancient Indian nanomedicine. | 05 |
| Q.2 | (a) | Write down sources, production and utilization of Vincristine and podophyllotoxin. | 06 |
| | (b) | Give the sources, chemical constituents and commercial utilization of Sandalwood oil, Mentha oil and Lemon grass oil. | 05 |
| | (c) | Discuss methods of extraction and analysis of Volatile oil. | 05 |
| Q.3 | (a) | Write down sources, production, utilization and estimation of tropane alkaloids. | 06 |
| | (b) | Discuss the complete pharmacognosy of any one anti-diabetic plant. | 05 |
| | (c) | Write short note the different varieties of Piper. | 05 |
| Q.4 | (a) | Write down the sources, utilization and production of Calcium sennoside. | 06 |
| | (b) | Write down the name of research institutes involved in phytopharmaceutical analysis. | 05 |
| | (c) | Write a note on poisonous plants. | 05 |
| Q.5 | (a) | Write down biological source, family, chemical constituents, uses and chemical tests for the following drugs.
1) Vidang 2) Harde 3) Baheda | 06 |
| | (b) | Describe in detail the pharmacognostic profile of Vaj. | |
| | (c) | Write a note on Garlic. | 05 |
| Q.6 | (a) | Write down biological source, family, chemical constituents, uses and Ayurvedic formulation of the following drugs.
1) Karanj 2) Bhilama 3) Flame of forest | 06 |
| | (b) | Write a note on anti-asthmatic plants. | 05 |
| | (c) | Discuss the method of preparation and evaluation parameters of medicinal wines. | 05 |
| Q.7 | (a) | Discuss advanced analytical techniques for phytochemical screening. | 06 |
| | (b) | Discuss energetic qualities used in Ayurveda for development of formulations. | 05 |
| | (c) | Write a brief account on plant based industry involved in work of medicinal and aromatic plants | 05 |
