Seat No.: _____ Enrolment No._____

# GUJARAT TECHNOLOGICAL UNIVERSITY

## B.PHARM – SEMESTER – VIII • EXAMINATION – WINTER – 2015

**Subject Code: 280005** **Date: 14/12/2015**

**Subject Name: Pharmacognosy VII (Herbal Formulations and Complimentary Therapies)**

**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)** | Describe method of preparation of Asavas. How method of preparation of Aristha differs from Asavas and why? Explain importance of Asavas as a formulation. | **06** |
| | **(b)** | Describe method of preparation of Bhasma. Describe evaluation methods for Bhasmas. | **05** |
| | **(c)** | Describe method of preparation of Churna. Discuss merits and demerits of churna as a formulation. | **05** |
| **Q.2** | **(a)** | Discuss holistic concept of drug administration in traditional system of medicine. | **06** |
| | **(b)** | Describe method of preparation of kwatha. Discuss importance of kwatha as a formulation. | **05** |
| | **(c)** | Write a note on poisonous plants. | **05** |
| **Q.3** | **(a)** | Enumerate different analytical techniques involved in screening of herbal drugs and explain their role briefly. | **06** |
| | **(b)** | What do you mean by phytopharmaceutical evaluation? Explain it in details. | **05** |
| | **(c)** | Write a note on Garlic. | **05** |
| **Q.4** | **(a)** | Give sources, production, estimation and utilisation of diosgenin. | **06** |
| | **(b)** | Describe sources, production, estimation and utilisation of Sennosides. | **05** |
| | **(c)** | Discuss sources, production, estimation and utilisation of tropane alkaloids. | **05** |
| **Q.5** | **(a)** | Describe sources, production, estimation and utilisation of Sandalwood oil. | **06** |
| | **(b)** | Give sources, production, estimation and utilisation of mentha oil. | **05** |
| | **(c)** | Describe sources, production, estimation and utilisation of quinine. | **05** |
| **Q. 6** | **(a)** | Describe sources, morphology, active constituents and main medicinal uses of kantakari. Give name of a popular formulation where its roots are used as one of the ingredient, give uses of the formulation. | **06** |
| | **(b)** | Describe sources, morphology, microscopy, active constituents and main medicinal uses of Nagod. | **05** |
| | **(c)** | Write a note on Vidang. | **05** |
| **Q.7** | **(a)** | Give botanical sources, active constituents and uses of (a) Karanj (b) Bhilama (C) Palash. | **06** |
| | **(b)** | Describe sources, morphology, microscopy, active constituents and main medicinal uses of Tylophora. | **05** |
| | **(c)** | Describe sources, different species, family, active constituents and uses of (a) Majith (b) Pipper. | **05** |

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