

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm-Semester-VIII Summer-2012 Examination

Subject code: 280005

Subject Name: Pharmacognosy – VII

(Herbal Formulations & Complimentary Therapies)

Time: 10:30am to 1:30pm

Date: 18-05-2012

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) Define ayurveda. Discuss holistic concept of drug administration in ayurveda **06**
(b) Differentiate between asava and arishta with examples. **05**
(c) What is churna? Discuss different quality control parameters for churna. **05**
- Q.2** (a) "HPTLC is very useful technique for qualitative and quantitative estimation of phytoconstituents." Justify it with suitable examples. **06**
(b) Write a short note on various modern analytical techniques used for screening of herbal drugs. **05**
(c) Give the source of sennosides and write down estimation method for sennosides. **05**
- Q.3** (a) Write down source, production, utilization and estimation of tropane alkaloids. **06**
(b) Write down basic concept of Homeopathic system of medicine. **05**
(c) Write production and utilization of diosgenin and vincristine. **05**
- Q.4** (a) Discuss the method of preparation of ghrita. Enumerate different quality control parameters of it. **06**
(b) Write a note on poisonous plants. **05**
(c) Write down biological source, family, chemical constituents, uses and marketed formulation of
(1) Majith (2) Bhilama **05**
- Q.5** (a) Write down classification of plant based industries and explain source and utilization of mentha oil. **06**
(b) Give the source of cinchona and write down estimation method of cinchona alkaloids in cinchona bark as per BP'05. **05**
(c) Write detail pharmacognostical profile of Gymnema. **05**
- Q. 6** (a) Write down biological source, family, chemical constituents and uses of
(1) Tylophora (2) Karanj (3) Palash **06**
(b) Write down morphology and microscopy of nagod leaf. **05**
(c) Classify ayurvedic dosage form. Define gutika and how it is standardized? **05**
- Q.7** (a) Write down biological source, chemical constituents, uses and marketed formulation of
(1) Vaj (2) Vidang (3) Shirish **06**
(b) Write detail pharmacognosy of pterocarpus. **05**
(c) Write down source and utilization of lemongrass oil and sandalwood oil. **05**
