

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER • 2014**

**Subject Code: 270005**

**Date: 12-06-2014**

**Subject Name: Pharmacognosy- VI (Herbal Drug Technology)**

**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 various important parts of HPLC. What is the significance of it in evaluation of herbal drugs?                              | <b>06</b> |
|      | (b) | How various chromatographic methods play vital role in evaluation of crud drug?   | <b>05</b> |
|      | (c) | Write a brief note on TLC for evaluation of crude drugs.  | <b>05</b> |
| Q.2  | (a) | Define marine pharmacognosy. Name the drugs uses as anti-inflammatory and anticancer obtain from marine sources with its structure. | <b>06</b> |
|      | (b) | Discuss in detail about chemotaxonomy of alkaloids.   | <b>05</b> |
|      | (c) | What is chemotaxonomy? With suitable examples explain importance of chemotaxonomy.  | <b>05</b> |
| Q.3  | (a) | Describe various natural allergens with their effects.  | <b>06</b> |
|      | (b) | Write a short note on photosensitizing agent.   | <b>05</b> |
|      | (c) | Give the detailed note on plant sweetening agents.  | <b>05</b> |
| Q.4  | (a) | Give the biological source, family, active chemical constituents and pharmacological uses of all the varieties of Brahmi.           | <b>06</b> |
|      | (b) | Draw the microscopy of Talispatra leaf.   | <b>05</b> |
|      | (c) | Write a brief note on Kanchnar.   | <b>05</b> |
| Q.5  | (a) | Write a complete pharmacognosy of Shankpushpi.  | <b>06</b> |
|      | (b) | Give the morphological and microscopically difference of satodi and satodo.   | <b>05</b> |
|      | (c) | Write detail pharmacognosy of Ashoka bark.  | <b>05</b> |
| Q. 6 | (a) | Write a note on Pharmacognosy of Guggul.  | <b>06</b> |
|      | (b) | Classify pesticides. Write a note on any one drug in this class.  | <b>05</b> |
|      | (c) | Describe the detail classification of Herbal cosmetics.   | <b>05</b> |
| Q.7  | (a) | Write in detail about different varieties used as Rasna.  | <b>06</b> |
|      | (b) | Give the detail pharmacognosy of drug used in kidney stone.   | <b>05</b> |
|      | (c) | Write a pharmacognosy of Nagarmoth.   | <b>05</b> |

\*\*\*\*\*