

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.**

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|------|-----|---|-----------|
| Q.1 | (a) | Discuss various important parts of HPLC. What is the significance of it in evaluation of herbal drugs? | 06 |
| | (b) | How various chromatographic methods play vital role in evaluation of crude drug? | 05 |
| | (c) | Write a brief note on TLC for evaluation of crude drugs. | 05 |
| Q.2 | (a) | Define marine pharmacognosy. Name the drugs uses as anti-inflammatory and anticancer obtain from marine sources with its structure. | 06 |
| | (b) | Discuss in detail about chemotaxonomy of alkaloids. | 05 |
| | (c) | What is chemotaxonomy? With suitable examples explain importance of chemotaxonomy. | 05 |
| Q.3 | (a) | Describe various natural allergens with their effects. | 06 |
| | (b) | Write a short note on photosensitizing agent. | 05 |
| | (c) | Give the detailed note on plant sweetening agents. | 05 |
| Q.4 | (a) | Give the biological source, family, active chemical constituents and pharmacological uses of all the varieties of Brahmi. | 06 |
| | (b) | Draw the microscopy of Talispatra leaf. | 05 |
| | (c) | Write a brief note on Kanchnar. | 05 |
| Q.5 | (a) | Write a complete pharmacognosy of Shankpushpi. | 06 |
| | (b) | Give the morphological and microscopically difference of satodi and satodo. | 05 |
| | (c) | Write detail pharmacognosy of Ashoka bark. | 05 |
| Q. 6 | (a) | Write a note on Pharmacognosy of Guggul. | 06 |
| | (b) | Classify pesticides. Write a note on any one drug in this class. | 05 |
| | (c) | Describe the detail classification of Herbal cosmetics. | 05 |
| Q.7 | (a) | Write in detail about different varieties used as Rasna. | 06 |
| | (b) | Give the detail pharmacognosy of drug used in kidney stone. | 05 |
| | (c) | Write a pharmacognosy of Nagarmoth. | 05 |
