

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm - SEMESTER-VII • EXAMINATION – WINTER 2017**

**Subject Code: 270005****Date: 14-11-2017****Subject Name: Pharmacognosy-VI (Herbal Drug Technology)****Time: 10:30 am to 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) Draw morphological and histological characters of Talishpatra. **06**  
(b) Write different between Chhota & Bada Gokhru and Red and White punarnava. **05**  
(c) Define and classification of allergens in detail. **05**
- Q.2** (a) Define Photosensitizing agents giving examples of natural products. Give a Short note on natural agents. **06**  
(b) Write on photosensitizing reaction with photodynamic therapy. **05**  
(c) Explain in detail pharmacognosy of Ashoka bark. **05**
- Q.3** (a) Define detail Pharmacognosy of Rasna. **06**  
(b) Describe fungal toxins. **05**  
(c) Write a detail note on Herbal Cosmetics. **05**
- Q.4** (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) Write a brief note on Kanchnar. **05**
- Q.5** (a) Elaborate the applications of various chromatographic methods in the Evaluation of herbal drugs. **06**  
(b) What is HPTLC? What are different parts of HPTLC system? How it differs from TLC? For evaluation of Crude drugs, What is better HPTLC or HPLC? Why? **05**  
(c) Write a note on column chromatography and its application **05**
- Q. 6** (a) Write a note on Sunscreens explaining Sun Protection Factor (SPF). **06**  
(b) Give botanical source, family, chemical constituents and uses of Colocynth. **05**  
(c) Discuss the importance of marine Pharmacognosy and it's Future. **05**
- Q.7** (a) Discuss any one unorganized drugs for arthritis. **06**  
(b) Write notes on Plant Sweeteners. **05**  
(c) Give the difference between the following drugs. **05**  
(a) Greater galangal and lesser galangal (b) *Centella asiatica* and *Bacopa monniera*

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