

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.

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|-------------|---|-----------|
| 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) <i>Centella asiatica</i> and <i>Bacopa monniera</i> | |
