

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph SEM-VII Examination-Nov/Dec.-2011

Subject code: 270005

Date: 29/11/2011

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.**
- 4. Draw neat and clean diagram wherever necessary.**

- Q-1 (a) Chromatographic technique play an important role in evaluating the quality of herbal drugs-Justify this statement. (6)
(b) Write a detail note on TLC for evaluation of herbal drugs. (5)
(c) Write a note on HPLC and its significance in the evaluation of herbal drugs. (5)
- Q-2 (a) Draw morphological and histological characters of Punarnava. (6)
(b) Draw microscopy of Talispatra leaf. (5)
(c) Write about plant sweetening agents. (5)
- Q-3 (a) Give the botanical source, chemical constituents, pharmacological action and market preparation of Shankhpuspi. (6)
(b) Write the complete pharmacognosy of Brahmi. (5)
(c) Give details of kanchnar. (5)
- Q-4 (a) Describe the controversial drug Rasna with respect to botanical source, morphological characters and micro scopical characters. (6)
(b) Give the pharmacognosy of Guggul. (5)
(c) Explain in detail pharmacognosy of Ashoka bark. (5)
- Q-5 (a) Give the detail pharmacognosy of drug used in kidney stone. (6)
(b) "Marine source has potential for noval medicines"- Justify this statement. (5)
(c) Describe in details anticancer agent obtains from marine source. (5)
- Q-6 (a) Give the chemotaxonomic distribution of alkaloids. (6)
(b) Write in detail about chemotaxonomy of flavanoids. (5)
(c) Write a note on photosensitizing agents. (5)
- Q-7 (a) Give the classification of pesticides. Give essentials of good pesticides and write a note on any one drug in this class. (6)
(b) Give the classification of allergens in detail. (5)
(c) Write a note on herbal cosmetics. (5)
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