

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM- SEM-II-EXAMINATION – JUNE 2012

Subject code: 220005

Date: 19/06/2012

Subject Name: Pharmacognosy-I

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) What is Pharmacognosy ?. Write scope and significance of it. **06**
(b) Differentiate between Ayurvedic drugs and Herbal Drugs. **05**
(c) Explain terms organized and Unorganized crude drugs stating examples. **05**
- Q.2** (a) Describe in brief Marine source of drugs. **06**
(b) Enumerate methods of classification of crude drugs. Explain therapeutic classification citing examples, merits and demerits **05**
(c) Write in brief tissue culture as a source of plant drugs **05**
- Q.3** (a) Differentiate between Racemose and Cymose inflorescences. **06**
(b) Define fruit. Give classification of fruits illustrating examples. **05**
(c) Explain underground modification of stems. **05**
- Q.4** (a) Enumerate the external factors affecting the quality of crude drugs. Discuss any two of them. **06**
(b) Explain polyploidy and its role in cultivation of medicinal plants **05**
(c) Write a brief note on plant growth regulators. **05**
- Q.5** (a) Define adulteration of crude drugs. Write short report on deliberate adulteration. **06**
(b) What is evaluation of crude drugs. Mention different methods of evaluation and discuss any one of them. **05**
(c) Prepare Pharmacognostic Monograph on Ispagula. **05**
- Q.6** (a) Define carbohydrates. Give its classification, properties and chemical tests. **06**
(b) Write short notes on Alkaloids. **05**
(c) Give B.S., Chemical constituents, identification tests & Uses of Agar OR Tragacanth. **05**
- Q.7** (a) **06**
Mention B.S., Chemical constituents and uses of Castor Oil. How will you distinguish adulteration of castor oil with sesame oil ?
(b) Write B.S., family Chemical constituents and uses of Beeswax and Hydnocarpus oil. **05**
(c) **05**
Write in brief on Honey OR Wool fat.
