

Seat. No: _____

Enrollment No: _____

C. U. SHAH UNIVERSITY

B. Pharm. – SEMESTER – II • EXAMINATION – SUMMER • 2015

Subject Code: 4PS02PCOG1

Subject Name: Pharmacognosy-I

Total Marks: 70

Instructions:

- 1. Attempt any five questions and question one is compulsory.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate marks.**

- Q.1.** (a) Define Pharmacognosy. Write a note on modern concept and scope of pharmacognosy. **05**
(b) Define and classify crude drugs. Explain chemical classification in detail. **05**
(c) Enlist various factors influencing cultivation of crude drugs. Explain soil and soil fertility. **04**
- Q.2.** (a) Write a note on History and Development of Pharmacognosy. **05**
(b) Write a note on Marine as source of crude drugs. **05**
(c) Explain the significance of Pharmacognosy in Ayurveda and allopathic system of medicine. **04**
- Q.3.** (a) Enumerate the sources of crude drug. Write a note on herb as source. **05**
(b) How the plant tissue culture technique can be useful as source of crude drug. **05**
(c) Write a note on polyploidy with examples. **04**
- Q.4.** (a) Describe the significance of Taxonomical classification with example. **05**
(b) Write the advantages and disadvantages of Morphological classification and Pharmacological classification of crude drugs. **05**
(c) Differentiate Organized drugs v/s Unorganized drugs. **04**
- Q.5.** (a) Write a note on plant hormones and their application. **05**
(b) Describe mutation and hybridization in medicinal plants. **05**
(c) Explain the composition of various fertilizers. **04**
- Q.6.** (a) Explain the characteristics of plants of Apocynaceae family with examples. **05**
(b) Draw and Describe the microscopic characters of Umbelliferous fruits. **05**
(c) Explain important plants with characteristics of Solanaceae family. **04**
- Q.7.** (a) Explain the types of adulteration of crude drugs. **05**
(b) How microscopic method can helpful for detection of adulteration? Explain with examples. **05**
(c) Describe the chemical method for detection of adulterants. **04**
- Q.8.** (a) How Rainfall, Irrigation and Altitude can affect the cultivation of herbal drugs? Explain. **05**
(b) Write a note on leguminosae family. **05**
(c) Describe the role of herbal drugs in national economy. **04**
