

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name : Pharmacognosy-IV

Subject Code : 4PS05COG4

Branch :B.Pharm

Semester : 5

Date :9/12/2015

Time :2:30 To 5:30

Marks :70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions:

(14)

Define the following

- a) Callus b) Totipotency c) Marine Pharmacognosy d) True Alkaloid

Give the Uses of following Crude drugs

- e) Lobelia f) Ephedra g) Kantkari h) Tylophora
i) Belladonna j) Nuxvomica k) Withania l) Cocca
m) Cola n) Ergot

Attempt any four questions from Q-2 to Q-8

- Q-2** a. Write the Properties and functions of alkaloids. (7)
b. Describe the microscopic characters of Periwinkle. (7)
- Q-3** a. Define and give the chemical classification of alkaloids. (7)
b. Write the cultivation and collection of Opium. (7)
- Q-4** a. Write the biological source, chemical constituents and uses of Kurchi (7)
b. Write a pharmacognostical note on Rauwolfia. (7)
- Q-5** a. Discuss biological sources, cultivation and collection of Jesuit's bark. (7)
b. Give the microscopy of Vasaka leaf. (7)
- Q-6** a. Enlist the Tropane alkaloids and write pharmacognostic profile of any one drug contain it. (7)
b. Give detailed Pharmacognosy of Indian ginseng. (7)
- Q-7** a. What are the applications, advantages and disadvantages of plant tissue culture? (7)
b. Enumerate Basic requirements for plant tissue culture technique (7)
- Q-8** a. Write a note on Anticancer agent. (7)
b. Describe anti viral agents obtained from marine source (7)

