

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2018

Subject Name : Pharmacognosy-IV

Subject Code : 4PS05COG4

Branch: B.Pharm

Semester : 5

Date : 05/12/2018

Time : 10:30 To 01:30

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 Give the uses of following crude drugs 14
- |                 |              |              |              |                |
|-----------------|--------------|--------------|--------------|----------------|
| a) Withania     | b) Lobelia   | c) Tea       | d) Aconite   | e) Pilocarpus  |
| f) Colchicum    | g) Taxus     | h) Tylophora | i) Kantakari | j) Pomegranate |
| k) Catharanthus | l) Nuxvomica | m) Cola      | n) Piper     |                |

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

- Q-1 a Draw labelled diagram showing morphological and microscopical characters of Vinca. 7
- Q-2 b Draw labelled diagram showing morphological and microscopical characters of Kantakari 7
- Q-3 a Draw labelled diagram showing morphological and microscopical characters of Datura 7
- Q-3 b Give names, biological sources and active constituents of three Cardiac Drugs obtained from marine source 7
- Q-4 a Draw labelled diagram showing morphological and microscopical characters of Rauwolfia 7
- Q-4 b Write in short on application and importance of plant tissue culture 7
- Q-5 a Draw labelled diagram showing morphological and microscopical characters of Withania 7
- Q-5 b Give biological sources, active constituents and uses of following 7
- Q-6 a i) Pilocarpus ii) Veratrum 7
- Q-6 a Describe biological sources, geographical sources, cultivation, collection and preparation of Tobacco in India. 7
- Q-6 b Draw labelled diagram showing morphological and microscopical characters of NuxVomica. 7
- Q-7 a Write short notes on Belladonna and Hyoscyamus 7
- Q-7 b Give biological sources, active constituents and uses of following 7
- Q-8 a i) Piper ii) Arecanut 7
- Q-8 a Name different species of Cinchona and describe cultivation and collection of Cinchona in India. 7
- Q-8 b Write a note on growth regulators used in culture media 7

