

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Pharmacognosy - IV**Subject Code: 4PS05COG4****Branch: B.Pharm****Semester : 5****Date : 04/03/2020****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.
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Q-1 Attempt the following questions: (14)

- a) Write synonym of pomegranate (1)
- b) Enlist chemical constituents of withania somenifera (1)
- c) Write biological source of vinca (1)
- d) Enlist chemical constituents of opium (1)
- e) list out uses of Ephedra (1)
- f) Name any one tropane alkaloid (1)
- g) list out uses of kurchi (1)
- h) Give synonym of Tobacco (1)
- i) Enlist active constituents of Kanthakari (1)
- j) Give any two examples of indole alkaloids (1)
- k) Write biological source of opium (1)
- l) Give any two varieties of Ephedra (1)
- m) Write synonym of ipecac (1)
- n) Give one example of anti-cancer crude drug (1)

Attempt any four questions from Q-2 to Q-8**Q-2 Attempt all questions (14)**

- a) Define alkaloids. Explain classification and physiochemical properties of alkaloids (7)
- b) Give biological source, active constituents and uses of 1) Ipecac, 2) Piper (7)

Q-3 Attempt all questions (14)

- a) Give biological source, macroscopic and microscopy of Indian ginseng (7)
- b) Discuss chemical tests used for detection of alkaloids (7)

Q-4 Attempt all questions (14)

- a) Draw neat labeled diagram showing morphological and microscopic characters of Dhatura (7)
- b) Give biological source, active constituents and uses of 1) Thylophora 2) Pomegranate (7)

Q-5 Attempt all questions (14)

- a) Write biological source, cultivation and collection of cinchona (7)
- b) Draw labelled diagram of morphology and microscopy of Rauwolfia (7)



