

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Pharmacognosy-IV

Subject Code: 4PS05COG4

Branch: B.Pharm

Semester: 5

Date: 22/03/2019

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 Uses of Followings:	(14)
a)	Pipper	01
b)	Tobacco	01
c)	Hyocyamus	01
d)	Datura	01
e)	Opium	01
f)	Rauwolfia	01
g)	Catharanthus	01
h)	Nux vomica	01
i)	Pilocarpus	01
j)	Kurchi	01
k)	Ephedra	01
l)	Coffee	01
m)	Vasaka	01
n)	Aconite	01

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

Q-2	Attempt all questions	(14)
a)	Classify Alkaloids with suitable examples.	07
b)	Give general method of isolation of Alkaloids.	07
Q-3	Attempt all questions	(14)
a)	Explain life cycle of Ergot.	07
b)	Write a short note on cultivation and collection of Opium.	07
Q-4	Attempt all questions	(14)
a)	Give Synonym, BS, cultivation collection, CC and uses of Cinchona.	07
b)	Give Synonym, BS, cultivation collection, CC and uses of Nux vomica.	07



- Q-5** **Attempt all questions** **(14)**
- a) Give BS, CC and uses, morphology and microscopy of Vinca. **07**
 - b) Give BS, CC and uses, morphology and microscopy of Kurchi. **07**
- Q-6** **Attempt all questions** **(14)**
- a) Give Synonym, BS, CC and chemical test for Rauwolfia. **07**
 - b) Give Synonym, BS, CC and chemical test for Datura. **07**
- Q-7** **Attempt all questions** **(14)**
- a) Write a note on Pilocarpus: An Imidazole Alkaloid. **07**
 - b) Write a note on Tea and Coffee. **07**
- Q-8** **Attempt all questions** **(14)**
- a) Explain any two Novel medicinal agents from marine sources. **07**
 - b) Write a brief note on basic requirements and applications of plant tissue culture. **07**

