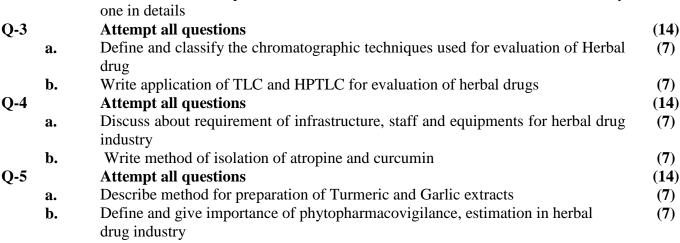
Enrollment No: _	Exam Seat No:	
	C.U.SHAH UNIVERSITY	
	Summer Examination 2019	

Subject Name: Pharmacognosy-VII Subject Code: 4PS08COG1 **Branch:** B.Pharm Semester: 8 Date: 26/04/2019 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 **Define the following terms** (14)Extraction **a**) Standardization **b**) **Immunomodulators** c) d) Schedule T Quality management system e) ISO-9000 f) Super critical extraction g) cGMP h) Beta-carotene i) Ultrasound assisted extraction **j**) Counter current extraction k) Glycyrrhetinic acid 1) Terpenoids m) Podophyllotoxin Attempt any four questions from Q-2 to Q-8 **Q-2** Attempt all questions (14)Write down the various modern extraction techniques for obtaining herbal extract **(7)** a. Enumerate different parameter for standardization of herbal extract. Describe any b. **(7)** one in details 0-3Attempt all questions (14)Define and classify the chromatographic techniques used for evaluation of Herbal a. **(7)** Write application of TLC and HPTLC for evaluation of herbal drugs **(7)** b. Attempt all questions 0-4 (14)





Q-6		Attempt all questions	(14)
	a.	Describe a suitable method for isolation and estimation of ephedrine	(7)
	b.	Describe a suitable method for isolation of penicillin	(7)
Q-7		Attempt all questions	(14)
_	a.	Write a note on Research and development and pilot scale up techniques	(7)
	b.	Write Pharmacognosy of any one drug useful to improve memory power	(7)
Q-8		Attempt all questions	(14)
	a.	Explain in short the Pharmacognosy of anti-asthmatic drug	(7)
	b.	Enumerate the anticancer drugs with their sources and utilization	(7)