

# C.U.SHAH UNIVERSITY

## Summer Examination-2018

**Subject Name:** Pharmacognosy - VII

**Subject Code:** 4PS08COG1

**Branch:** B.Pharm

**Semester:** 8

**Date:** 05/05/2018

**Time:** 02:30 To 05:30

**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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<b>Q-1</b>	<b>Define the following:</b>	<b>(14)</b>
	a) Galenicals	(1)
	b) Percolation	(1)
	c) Dry extracts	(1)
	d) Tricyclic terpenoids	(1)
	e) Resin	(1)
	f) Glycoside	(1)
	g) Alkaloid	(1)
	h) Maceration	(1)
	i) Menthol	(1)
	j) Phytopharmacovigilance	(1)
	k) Vitali Morin reaction	(1)
	l) Thalleioquin test	(1)
	m) Borntrager's test	(1)
	n) Tollen's test	(1)

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

<b>Q-2</b>		<b>(14)</b>
a	Describe the preparation of standardized plant extract with their principle of extraction, chemical constituents and uses of Turmeric.	(7)
b	Explain the isolation, identification and analysis of Citral.	(7)
<b>Q-3</b>		<b>(14)</b>
a	Describe the preparation of standardized plant extract with their principle of extraction, chemical constituents and uses of Ashwagandha.	(7)
b	Explain the isolation, identification and analysis of Quinine.	(7)
<b>Q-4</b>		<b>(14)</b>
a	Describe the role of HPLC in the analysis of herbal drug.	(7)



- b** Explain the isolation, identification and analysis of Penicillin. (7)
- Q-5** (14)
- a** Describe the role of TLC in the analysis of herbal drug. (7)
- b** Explain the isolation, identification and analysis of Diosgenin. (7)
- Q-6** (14)
- a** Write the schematic diagram for the isolation of Cinchona alkaloids. (7)
- b** Explain ISO-9000 in herbal drug industry. (7)
- Q-7** (14)
- a** Discuss the natural products used as Anticancer agents. (7)
- b** Write a note on herbal drug industry as per GMP requirements. (7)
- Q-8** (14)
- a** Discuss the natural products used as Tranquilisers. (7)
- b** Write a note on Phytopharmacovigilance. (7)

