C.U.SHAH UNIVERSITY Winter Examination-2021

	Subject (Semester	Code: 4PS05COG4 :: 5 Date: 20/12/202	Branch: B.Pharm 21 Time: 11:00 To 02:00	Marks: 70
Ι	nstructio			
		-	& any other electronic instrument is pro	phibited.
		Draw neat diagrams and figures (ver book are strictly to be obeyed.	
		Assume suitable data if needed.	in necessary) at right places.	
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Q-1				(14)
Υľ		Give the uses of following:		
	a)	Hyocyamus		01
	b)	Withania		01
	c)	Tea		01
	d)	Opium		01
	e)	Catharanthus		01
	f)	Nux vomica		01
	g)	Pilocarpus		01
	h)	Ephedra		01
	i)	Coffee		01
	j)	Vasaka		01
	k)	Kurchi		01
	l)	Aconite		01
	m)	Datura		01
	n)	Cola		01

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

Q-2	a) b)	Attempt all questions Classify various Alkaloids with suitable examples. Describe biological sources, geographical sources, cultivation, collection and preparation of Tobacco in India.	(14) 07 07
Q-3		Attempt all questions	(14)
-	a)	Write a note on Tea and Coffee.	07
	b)	Give general method of isolation of Alkaloids and explain identification tests for alkaloids.	07



Q-4		Attempt all questions	(14)
	a)	Give B.S., C.C., Microscopy and uses of Nux-Vomica	07
	b)	Draw labelled diagram showing morphological and microscopical characters of	07
		Datura.	
Q-5		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 Vinca	07
Q-6		Attempt all questions	(14)
	a)	Write a short note on cultivation and collection of Opium.	07
	b)	Give B.S., C.C. and uses of Tobacco and Piper.	07
Q-7		Attempt all questions	(14)
C	a)	Give Synonym, BS, CC and chemical test for Datura.	07
	b)	Write a note on Pilocarpus: An Imidazole Alkaloid.	07
Q-8		Attempt all questions	(14)
	a)	Explain various novel medicinal agents from marine sources.	07
	b)	Discuss applications and importance of plant tissue culture	07
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