## 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>b</b> )	Withania		01
	<b>c</b> )	Tea		01
	d)	Opium		01
	<b>e</b> )	Catharanthus		01
	<b>f</b> )	Nux vomica		01
	<b>g</b> )	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>b</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>b</b> )	Discuss applications and importance of plant tissue culture	07
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