## Bachelor of Pharmacy (B.Pharm) Seven Semester (Old-CBS) BP705 - Pharmacognosy-V

P. Pages: 1 Time: Three Hou			ars * 0 8 9 9 *	<b>GUG/W/18/1186</b> Max. Marks : 80	
	Notes	s: 1. 2. 3. 4.	Diagrams and chemical equation should be given wherever necess Illustrate your answers wherever necessary with the help of neat s		.—
1.	Answer the following qu		ver the following question <b>any two</b> .	1	
		a)	Describe the biosynthetic pathway for Tropane alkaloid.		
			Describe the method of extraction isolation and identification of Epheatropine.	drine OR	
		c)	Write a short note on Steroidal alkaloids.		
2.		Define standardization of herbal drugs. Enlist the various parameter as per WHO guideline for quality control and standardization of herbal formulation. Explain in detailed physical and chemical parameter for standardization of herbal drugs.			16
3.	a)	Define alkaloids classify them with suitable examples of each class. Describe the various physical and chemical properties of alkaloids. Enlist the various chemical reagent used for the detection of alkaloids.			
	b)	Expl	nin the general methods of Extraction of alkaloids from crude drug.		6
4.	a)	Desc	ribe the method of extraction isolation and estimation of Quinine.		8
	b)	Phari	nacogenetic accounts on cinchona bark.		8
5.	a)		is Herbal drug interaction classify them with there possible side effections.	ets &	6
	b)	Gene	ne flavonoids? Classify them with suitable examples of each class. De ral methods of extraction of flavonoids. Give the various chemical tes noids.		10
6.	a)	Desc	ribe the importance and problems involved in the standardization of H	lerbal drugs.	6
	b)	Desc	ribe the pharmacogenetic accounts on Ergot.		10
7.		Write	e a short notes on <b>any four</b> of the following.		16
		ii) iii) iv) v)	Validation of herbal products. Guggul. Passiflora Incarnata. Opium. Saffron. Shilajit		

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