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		Code No. 405	1
FACULTY			
B. Pharmacy 3/4 I – Semester (Main) Examination, November 2016			
Subject: Pharmaconosy – II Time: 3 Hrs Max.Marks: 70			
Note: Answer all questions. All questions carry equal marks.			
1	a)	What are alkaloids. Classify them with suitable examples.	5
•		Write the Bioloical srces microscopical features and adulterants of i) Nuxvomica ii) Cinchona iii) Colchium	9
	C)	OR Describe opium under suitable pharmaconostic scheme.	8
		Write the srce, chemical structures of active constituents and use of	U
		i) Belladona ii) Ephedra iii) Rauwolfia	6
2	a)	What are cardiac lycosides. Classify and write the chemistry and mechanismo	f
	,	action of diitalis	8
		i) Strophanthin ii) Barbaloin	2x3=6
	c)	Write the bioloical srce, a test for identification and uses of	
	4)	 i) lycyrrhizic acid ii) Strophanthoside Describe the pharmaconostic study of Indian senna. 	3x2=6 8
	u)	Describe the pharmaconostic study of indian serina.	0
3		Write the isolation and estimation of quinine from cinchona.	6
		Write a note on Taxus species. Write the bioloical srce, chemical nature and uses of	4 4
	-,	i) Fennel ii) Cinnamon	
	d)	Write the chemistry, isolation and estimation of rutin, hesperidin from citrus fruits.	10
		What are volatile oils, classify with example.	4
4	2)	Define callus culture cell suspension culture and ive advantaes of suspension	
4	a)	Define callus culture, cell suspension culture and ive advantaes of suspension callus culture.	7
	b)	Discuss the importance of macronutrients and rowth reu lators in plant tissue	
		culture media. OR	7
	c)	Discuss the application of plant tissue culture in production of secondary	
	4)	metabolites. Write abt immobilization and its application in plant tissue culture.	7 7
	u)		ı
5		ive the preparation of Lehyas , Aristaas.	7
	(ט	Write abt the status and practice of herbal medicine in India. OR	7
		Discuss abt types of herbal formulation and products.	10
	d)	ive a note on discovery of new drus from natural srce.	4
