BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCH	M.PHARMA I: PHARMACY	(SEMESTER : SESSION : M	
SUBJECT: MPG103T PHYTOCHEMISTRY TIME: 3:00 HOURS FULL MARKS			S: 75	
1. The c 2. Cand 3. The c 4. Befor 5. Table	idates may attempt any missing data, if any, ma re attempting the ques es/Data hand book/Grap		(5.	
Q.1(a) Q.1(b)		nethods to elucidate the biosyntheti pathway of cardiac glycoside and w	c pathways. rite the biological source, use and to	[7] est [8]
Q.2(a) Q.2(b)	identification.	pathway of diosgenin and write t timization of extraction procedure.	he biological source, use and test	for [7] [8]
Q.3(a) Q.3(b)	use and test for identif	ication.	osides and write the biological source and elaborate its mechanism of action	
Q.4(a) Q.4(b)		c pathway of Cucurbitacin along wi different routes used in drug discov	th the mechanism of action and uses. /ery.	. [7] [8]
Q.5	Categorize and explain	different methods of preparation o	f plant extracts.	[15]
Q.6	Propose different NMR and 2-D NMR methods for structural elucidation of natural compounds and explain them.			nd [15]
Q.7	Discuss the different ar	nalytical method for identification o	f phytoconstituents.	[15]

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