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GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER - 5 EXAMINATION - WINTER -2024

Subject Code:BP503TP Subject Name: Pharmacognosy and Phytochemistry II Time:10.30 AM TO 01.30 PM Total Marks: 80 Instructions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.					
					Q.1
Q.2	(a) (b) (c)	Write down isolation, identification and analysis of citral. Write a note on industrial production and estimation of atropine. Write down source, chemical constituents and uses of Ginger and Asafoetida.			
Q.3	(a) (b) (c)	Write down isolation, identification and analysis of rutin. Write down source, chemical constituents and uses of Senna and Dioscorea. Write down pharmacognosy of drug used as carminative.			
Q.4	(a) (b) (c)	Write a note on industrial production, estimation and utilization of digoxin. Write down isolation, identification and analysis of quinine. Define Alkaloids. Classify it with suitable examples in detail.			
Q.5	(a) (b) (c)	Define Extraction. Enlist different modern methods of extraction and explain supercritical fluid extraction in detail. Define Glycosides. Write a note on drug used as cardiotonic. Write a note on drug used as antineoplastic agent.		06 05 05	
Q. 6	(a) (b) (c)	Write a note on industrial production, estimation and utilization of artemisin. Write down isolation, identification and analysis of podophyllotoxin. Write the application of latest spectroscopic techniques in phytochemistry.			
Q.7	(a) (b) (c)	Write in detail about acetate mevalonate pathway. Write a note on industrial production and estimation of Write a note on electrophoresis used for isolation, purificidentification of crude drugs.		06 05 05	
