## Sem- VI (CBSGIS) PP-I 09/11/15

QP Code: 21710

		(3 Hours)	[ Total Marks :70
N	.В. :	<ol> <li>All questions are compulsory.</li> <li>Illustrate answers with sketches and structures wherever</li> <li>Answers to subquestions must be writen together.</li> </ol>	required.
1.	(a)	Justify the following statements with significant reason (any seven):	s or examples 7
		<ul> <li>(i) Dried juice is an example of unorganised drug.</li> <li>(ii) Umbel is a type of cymose inflorescence.</li> <li>(iii) Glycosides are secondary metabolites of plant.</li> <li>(iv) Counter-current method of extraction is adverthermolabile substances.</li> </ul>	vantageous for
		<ul> <li>(v) Stomatal index is more reliable as compared to stomation in quantitative microscopy of crude drugs.</li> <li>(vi) Adulteration in honey is determined by Fiehe's (vii) Accidental swallowing of Abrus seeds shows to (viii) Dibbling is a method used for sowing of seeds.</li> </ul>	test.
	(b)	Answer the following:  (i) Draw neat labelled diagram describing the hisobilateral leaf.  (ii) Give two examples of terpene class of phytoconstructures and its therapeutic application.  (iii) Write a note on auxins as plant growth regulator (iv) Discuss the source, preparation and commercial in the source of	onstituents with
2.	(i) (ii) (iii)	Give the significance of pharmacognosy in Ayurvedic or System of medicine with two examples of drugs. Give the classification of fruits with examples of each class Write a detailed note on galactomannan.	
3.	(i) (ii)	Discuss supercritical fluid extraction with any two commerced Discuss the chemical method of evaluation of DONO vipharmacopoeia	with respect to 4
	(111)	Write a note on cellulosic fibres.	4

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4.	(i)	Compare and contrast taxonomical and chemotaxonomical methods of classification of DONO.	3
	(ii)	The state of maintained if they are stored properly.	4
		Explain the statement with 4-5 examples.	
	(iii)	Write in detail about general methods of extraction for alkaloids with the underlying principles.	4
5.	(i)	Write a note on agar as a carbohydrate source:	3
	(ii)	Write in detail about adulteration and substitution of crude drugs with four examples.	4
	(iii)	What are ergastic cell contents? Discuss calcium oxalate crystals in detail.	4
6.	(i)	Discuss the endogenous factors affecting the quality of crude drugs.	3
	(ii)	Explain the sources, preparation and uses of plant proteolytic enzymes.	1
	(iii)	Enumerate the biosynthetic pathway for production of phenolic compounds.	1
		r promote compounds.	4

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