NRT/KS/19/3176

B.Pharm. Sixth Semester (CBS) Examination PHARMACOGNOSY AND PHYTOCHEMISTRY-IV

(Recent Advances in Phytochemistry)

Paper—4

		raper—4		
Tin	ne : 7	Three Hours]	[Maximum Marks: 80	
N.B	3. :—	-(1) Question No. 1 is compulsory.		
		(2) Attempt any four questions out of remaining.		
		(3) All questions carry equal marks as indicated.		
		(4) Draw neat labelled diagram wherever necessary.		
1.	Solve any five of the following:			
	(a) What are cardiac glycosides? Differentiate between cardinolides and bufadienolides.			
	(b)	Write a note on Ashoka Bark.		
	(c)	Differentiate between pale catechu and black catechu.		
	(d)	What are bitters? Give biological source, chemical constituents	and medicinal uses of	
		Quassia.		
	(e)	What are cyanogenetic glycosides? Give the biological source, che	emical constituents and	
		medicinal uses of bitter almonds.		
		Write a note on Arjuna.		
		What are flavonoid glycosides? Give their classification with exa	•	
2.	(a)	What are tannins? Classify them with suitable examples. Describe	_	
	41 N	extraction of tannins.	8	
	(b)	Give the procedure for isolation and purification of andrographo		
2		therapeutic uses.	7	
3.	(a)	Describe the procedure for extraction, purification and estimation		
	(1-)	Circumstation and a figure	8 7	
1		Give a pharmacognostic account of Senna.	•	
4.		What are glycosides? Describe the classification, chemical tests and general methods of extraction of glycosides.		
_	_	•	8	
5.		Give various chemical tests and therapeutic uses of tannins. Give the spectral studies of any one of the following:	o	
	(0)	(i) Andrographolide		
		(ii) Gallic acid.	7	
6.	Giv	e the biological source, chemical constituents and uses of (any three	Pe) ·	
·		Liquorice		
		Amla		
	(c)	Brahmi		
	(d)	Myrobalan		
	(e)	Shatavari.	5×3=15	
7.	Wri	te short notes on (any three):		
	(a)	Anthraquinone glycosides		
	(b)	Isolation and purification of diosgenin		
	(c)	Hesperidin		
	(d)	Chemical tests for digitalis		
	(e)	Isothiocyanate glycosides.	5×3=15	