

Program	Bachelor of Pharmacy (BPharm)	Semester - 3
Type of Course	-	
Prerequisite		
Course Objective	-	
Effective From A.Y.	2023-24	

Teaching Scheme (Contact Hours)				Examination Scheme				
	Tutorial	Lab	Credit	Theory Marks		Practical Marks		Total
Lecture				External Marks (T)	Internal Marks (T)	External Marks (P)	Internal Marks (P)	Marks
3	-	0	3	50	25	-	-	75

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Cour	rse Content	T - Teaching Hot	urs W -	Weig	jhtag
Sr.	Topics			T	W
1	UNIT 1			9	20
	Formulations. 2. Some Importa	o Ayurveda, Siddha, Unani, Homeopathy & Sowa-Rigpa Systems and Traditional ant Medicinal & Aromatic Plants mentioned in ancient texts mulations processing (Asava, Aristha, Bhasma, Vati)	'		
2	UNIT 2			10	22
	Scheme for Med 5. Subsidies fro other Companie	ion and Collection Practices guidelines- WHO, NMPB-AYUSH, Voluntary Certification licinal Plant Produce, Conservation of rare and endangered traditional plants m Indian Government, Buyback Agreement and Contract farming with AYUSH and s grotechniques of Few Medicinal Plants	·		
3	UNIT 3			8	18
			'		
4	UNIT 4			8	18
		Case study with some examples value added products (Giloy, Neem, Aloe) CCO, FSSAI WHO and ICH Guidelines	'		
5	UNIT 5			10	22
	13. With illustra 14. Field Demor	tions case study Quality Control of Traditional Formulations tions comparative evaluation of Pharmacopoeial standards (Licorice & Ashwagandha) Istration of few Medicinal and aromatic plant cultivation sites to Ayurvedic rasshala or Companies manufacturing traditional medicines	'		
	1		Total	45	10

Suggested Distribution Of Theory Marks Using Bloom's Taxonomy

Level	Remembrance	Understanding	Application	Analyze	Evaluate	
Weightage	40	25	15	10	10	

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

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Course Outcomes

At the end of this course, students will be able to:				
C01	CO1 To understand basic principle of ayurvedic and herbal medicines.			
C02	O2 To provide basic knowledge on its regulations,quality control methods and market study.			
C03	To study market examples of medicinal and aromatic plants.			

Deference Rooks

Refe	erence Books				
1.	Indian Medicinal Plants By Kiritikar KR and Basu BD International Book Distributors, Booksellers and Publishers				
2.	Handbook of Aromatic Plants By S. K. Bhattacharjee Pointer Publishers				
3.	The Ayurveda Encyclopedia natural secrets to healing, prevention and Longevity. By Swami sada , Tirtha Shri satguru publication, Delhi,India. 1st, Pub. Year 1998				
4.	Indigenous Drugs of India By Chopra Academic Publishers				
5.	Indian Herbal Pharmacopoeia Regional Research Laboratory and Indian Drug Manufacturer's Association				
6.	Ayurvedic Drugs and Their Plant sources By V V Sivarajan and I Balachandran Oxford and IBH Publishing Co. Pvt. Ltd.				
7.	The Treatise on Indian Medical Plants By Asima Chatterjee and Satyesh C Pakrashi. National Institute of Science Communication				
8.	Laboratory Handbook for the Fractionation of Natural Extracts By Peter J Houghton and Amala Raman Springer Publication.				
9.	Pharmacognosy (TextBook) By C.K.KOKATE, S.B. GOKHALE, A. P PUROHIT Nirali prakashan 53rd				

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