

Lesson Plan				
Name of faculty :		Mr. Daksh Manan		
Discipline :		DIPLOMA IN PHARMACY		
Semester/Year :		1st Year		
Subject/Code :		PHARMACOGNOSY - ER20-13T/13T		
Lesson Plan Duration :		31 weeks (Sept. 2023 to May 2024)		
Work Load (Lecture/Practical) per week (in Hours) :				
WEEK	THEORY		PRACTICAL	
	LECTURE DAY	Topic (Including Assignment/Test)	Practical Day	Topic
1st	1st	Definition, history, present status and scope of Pharmacognosy	1st	To perform Morphological Identification of Ispaghula, Senna.
	2nd	Definition, history, present status and scope of Pharmacognosy		
	3rd	Revision		
2st	1st	Classification of drugs	2nd	To perform Morphological Identification of Coriander, Fennel.
	2nd	Alphabetical and Taxonomical		
	3rd	Morphological and Pharmacological		
3rd	1st	Chemical and Chemo-taxonomical	3rd	File check and viva
	2nd	Revision		
	3rd	Quality control of crude drugs		
4th	1st	Different methods of adulteration of crude drugs	4th	To perform Morphological Identification of Cardamom, Ginger.
	2nd	Evaluation of crude drugs		
	3rd	Revision		
5th	1st	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of alkaloids.	5th	viva - voce
	2nd	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of terpenoids.		

	3rd	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of glycosides.		
6th	1st	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of volatile oils.	6th	To perform Morphological Identification of Nutmeg, Black Pepper.
	2nd	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of tannins.		
	3rd	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of resins.		
7th	1st	Revision	7th	To perform Morphological Identification of Cinnamon, Clove.
	2nd	Test		
	3rd	Laxatives		
8th	1st	Cardiotonic	8th	viva - voce
	2nd	Carminatives and G.I. regulators		
	3rd	Carminatives and G.I. regulators		
9th	1st	Astringents	9th	To perform Morphological Identification of Ephedra, Rauwolfia.
	2nd	Drugs acting on nervous system		
	3rd	Drugs acting on nervous system		
10th	1st	Revision	10th	To perform Morphological Identification of Gokhru, Punarnava.
	2nd	Test		
	3rd	Revision		
11th	1st SESSIONAL EXAMINATION		11th	1st SESSIONAL EXAMINATION

12th	1st	Anti-hypertensive	12th	To perform Morphological Identification of Cinchona, Agar.
	2nd	Anti-tussive		
	3rd	Anti-rheumatics		
13th	1st	Anti-tumour	13th	Gross anatomical studies (Transverse Section) of Ajwain, Datura.
	2nd	Antidiabetics		
	3rd	Diuretics		
14th	1st	Anti-dysenteric	14th	File check and viva
	2nd	Antiseptics and		
	3rd	Revision		
15th	1st	Test	15th	Gross anatomical studies (Transverse Section) of Cinnamon, Cinchona.
	2nd	Antimalarials		
	3rd	Oxytocic		
16th	1st	Vitamins	16th	viva - voce
	2nd	Enzymes		
	3rd	Pharmaceutical		
17th	1st	Pharmaceutical	17th	Gross anatomical studies (Transverse Section) of Coriander, Ashwagandha.
	2nd	Pharmaceutical		
	3rd	Miscellaneous		
18th	1st	Miscellaneous	18th	Gross anatomical studies (Transverse Section) of Liquorice, Clove.
	2nd	Revision		
	3rd	Test		
19th	1st	Plant fibres used as surgical dressings - Cotton, silk	19th	viva - voce
	2nd	Plant fibres used as surgical dressings - wool and regenerated fibres		
	3rd	Sutures – Surgical Catgut and Ligatures		
20th	1st	Basic principles involved in the traditional systems of medicine - Introduction	20th	Gross anatomical studies (Transverse Section) of Curcuma, Nux vomica, Vasaka.
	2nd	Ayurveda, Siddha		
	3rd	Unani and Homeopathy		
21st	1st	Method of preparation of Ayurvedic formulations	21st	Gross anatomical studies (Transverse Section) of Curcuma, Nux vomica, Vasaka.
	2nd	Arista, Asava		
	3rd	Gutika, Taila		

22nd	1st	Churna, Lehya and Bhasma	22nd	File check and viva
	2nd	Revision		
	3rd	Test		
23rd	WINTER VACATION		23rd	WINTER VACATION
24th	1st	Role of medicinal and aromatic plants in national economy and their export potential	24th	Physical and chemical tests for evaluation of Asafoetida, Castor oil.
	2nd	Role of medicinal and aromatic plants in national economy and their export potential		
	3rd			
25th	2nd SESSIONAL EXAMINATION		25th	2nd SESSIONAL EXAMINATION
26th	1st	Herbs as health food: Brief introduction and therapeutic applications of: Nutraceuticals, Antioxidants	26th	Physical and chemical tests for evaluation of Agar, Guar gum, Acacia.
	2nd	Pro-biotics, Pre-biotics, Dietary fibres		
	3rd	Omega-3-fatty acids, Spirulina		
27th	1st	Carotenoids, Soya and Garlic	27th	Physical and chemical tests for evaluation of Agar, Guar gum, Acacia.
	2nd	Revision		
	3rd	Introduction to herbal formulations		
28th	1st	Introduction to herbal formulations	28th	File check and viva
	2nd	Introduction to herbal formulations		
	3rd	Introduction to herbal formulations		
29th	1st	Herbal cosmetics - Introduction	29th	Revision
	2nd	Herbal cosmetics:		
	3rd	Lavender oil, Olive oil		
30th	1st	Rosemary oil, Sandal Wood oil	30th	Revision
	2nd	Revision		
	3rd	Phytochemical investigation of drugs		

31st	1st	Phytochemical investigation of drugs	31st	Revision
	2nd	Revision		
	3rd	Revision		

