

Performa : Hindu College of Pharmacy, Sonipat (024)				
Lesson Plan				
Name of the faculty		Mrs. Jyoti		
Discipline		D. Pharmacy		
Semester		1 <sup>st</sup> Year		
Subject		Pharmacognosy		
Lesson plan Duration		25 weeks (Jan. 2023 to July 2023)		
Work Load/week(In hour)		Lecture- 03; Tutorial -01; Practical- 06		
Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	Experiment
1 <sup>st</sup> (Jan. 1 <sup>st</sup> week)	1 <sup>st</sup>	History of Pharmacognosy	1 <sup>st</sup> (Batch A)	To study microscope
	2 <sup>nd</sup>	Scope of Pharmacognosy	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Development of Pharmacognosy		
	4 <sup>th</sup>	Alphabetical, chemical and taxonomical classification of drugs		
2 <sup>nd</sup> (Jan. 2 <sup>nd</sup> week)	1 <sup>st</sup>	Morphological and Pharmacological classification of drugs	1 <sup>st</sup> (Batch A)	Study of fennel
	2 <sup>nd</sup>	Tutorial/Test	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Introduction of crude drugs		
	4 <sup>th</sup>	Adulteration of crude drugs		
3 <sup>rd</sup> (Jan. 3 <sup>rd</sup> week)	1 <sup>st</sup>	Evaluation of crude drugs	1 <sup>st</sup> (Batch A)	Study of coriander
	2 <sup>nd</sup>	Evaluation of crude drugs	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Pharmacognostic scheme and Intro. of Indigenous system of medicine.		
	4 <sup>th</sup>	Tutorial/Test		
4 <sup>th</sup> (Jan. 4 <sup>th</sup> week)	1 <sup>st</sup>	Isolation, Identification and applications of glycosides	1 <sup>st</sup> (Batch A)	Study of Cardamom, Ginger
	2 <sup>nd</sup>	Isolation, Identification and applications of terpenoids	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Isolation, Identification and applications of alkaloids		
	4 <sup>th</sup>	Isolation, Identification and applications of Volatile oils		
5 <sup>th</sup> (Feb. 1 <sup>st</sup> week)	1 <sup>st</sup>	Isolation, Identification and applications of Resin	1 <sup>st</sup> (Batch A)	Study of Nutmeg, Black Pepper
	2 <sup>nd</sup>	Isolation, Identification and applications of tannins	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Pant fibres used as surgical dressings: cotton , silk, wool		
	4 <sup>th</sup>	Regenerated fibres and sutures		

<b>6<sup>th</sup>(Feb. 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Tutorial/Test	<b>1<sup>st</sup> (Batch A)</b>	Study of Cinnamon, Clove
	<b>2<sup>nd</sup></b>	Introduction of the traditional system of medicine	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Ayurveda, Siddha system of medicine		
	<b>4<sup>th</sup></b>	Unani and Homeopathy system of medicine		
<b>7<sup>th</sup>(Feb. 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Ayurvedic formulations Arista, Asava	<b>1<sup>st</sup> (Batch A)</b>	Study of Isaphgula, Senna
	<b>2<sup>nd</sup></b>	Ayurvedic formulations Gutika, Taila, Churna	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Ayurvedic formulations Lehya and Bhasma		
	<b>4<sup>th</sup></b>	Role of medicinal and aromatic plants in national economy		
<b>8<sup>th</sup>(Feb. 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Role of medicinal plants and their export potential	<b>1<sup>st</sup> (Batch A)</b>	Study of Ephedra, Rauwolfia
	<b>2<sup>nd</sup></b>	Herbs as health food: Introduction and application of Nutraceuticals	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Antioxidants, Pro-biotics, Pre-biotics, Dietary fibres		
	<b>4<sup>th</sup></b>	Omega-3-fatty acids, Spirulina, carotenoids, soya and Garlic		
<b>(Mar. 1<sup>st</sup> week)</b>	<b>1<sup>st</sup> Sessional Exam</b>			
<b>9<sup>th</sup> (Mar. 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Tutorial/Test	<b>1<sup>st</sup> (Batch A)</b>	Study of Gokhru, Punarnava
	<b>2<sup>nd</sup></b>	Introduction of herbal formulations	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Introduction of herbal formulations		
	<b>4<sup>th</sup></b>	Introduction of herbal formulations		
<b>10<sup>th</sup>(Mar. 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Herbal cosmetics: Introduction	<b>1<sup>st</sup> (Batch A)</b>	Study of Cinchona, agar
	<b>2<sup>nd</sup></b>	Aloe vera gel, almond oil,	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Olive oil, Rosemary oil,		
	<b>4<sup>th</sup></b>	Lavender oil, Sandal wood oil		
<b>11<sup>th</sup>(Mar. 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Phytochemical Investigation of drugs	<b>1<sup>st</sup> (Batch A)</b>	Microscopy of Fennel
	<b>2<sup>nd</sup></b>	Phytochemical Investigation of drugs	<b>2<sup>nd</sup> (Batch B)</b>	----do----

	3 <sup>rd</sup>	Introduction of different categories of crude drugs		
	4 <sup>th</sup>	Laxatives Aloe, Castor oil		
12 <sup>th</sup> (Apr. 1 <sup>st</sup> week)	1 <sup>st</sup>	Ispaghula, Senna	1 <sup>st</sup> (Batch A)	Microscopy of Coriander
	2 <sup>nd</sup>	Cardiotonics Digitalis, Arjuna	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Carminatives: Coriander, Fennel, Cardamon		
	4 <sup>th</sup>	Black pepper, Asafoetida, ginger		
13 <sup>th</sup> (Apr. 2 <sup>nd</sup> week)	1 <sup>st</sup>	Nutmeg, Cinnamon, clove	1 <sup>st</sup> (Batch A)	Microscopy of Cinnamon
	2 <sup>nd</sup>	Astringents Catechu(black, Pale)	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Myrobalan		
	4 <sup>th</sup>	Tutorial/Test		
14 <sup>th</sup> (Apr. 3 <sup>rd</sup> week)	1 <sup>st</sup>	CNS system Hyoscyamus, Belladonna	1 <sup>st</sup> (Batch A)	Microscopy of Liquorice
	2 <sup>nd</sup>	Ephedra, Opium	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tea leaves, Coffee seeds, Coca		
	4 <sup>th</sup>	Antihypertensive: Rauwolfia		
15 <sup>th</sup> (Apr. 4 <sup>th</sup> week)	1 <sup>st</sup>	Anti-tussive: Vasaka, ToluBalsam	1 <sup>st</sup> (Batch A)	Microscopy of Clove
	2 <sup>nd</sup>	Anti-rheumatics: Colchium seed	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Anti- tumour: Vinca, Podophyllum		
	4 <sup>th</sup>	Antidiabetics: Pterocarpus, Gymnema		
16 <sup>th</sup> (May 1 <sup>st</sup> week)	1 <sup>st</sup>	Diuretics Gokhru, Punarnava	1 <sup>st</sup> (Batch A)	Microscopy of Nux-vomica
	2 <sup>nd</sup>	Antidysentric Ipecacuanha	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Antiseptics and Disinfectants		
	4 <sup>th</sup>	Neem, Turmeric		
(May 2 <sup>nd</sup> week)	2 <sup>nd</sup> Sessional Exam			
17 <sup>th</sup> (May 3 <sup>rd</sup> week)	1 <sup>st</sup>	Benzoin, Myrrh	1 <sup>st</sup> (Batch A)	Microscopy of Ashwagandha
	2 <sup>nd</sup>	Tutorial/ Test	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Antimalarials Cinchona, Artemisia		
	4 <sup>th</sup>	Oxytotic: Ergot		
18 <sup>th</sup> (May 4 <sup>th</sup> week)	1 <sup>st</sup>	Vitamins	1 <sup>st</sup> (Batch A)	Chemical test of Asafoetida
	2 <sup>nd</sup>	Codliver and shark liver oil	2 <sup>nd</sup> (Batch B)	----do----

	3 <sup>rd</sup>	Enzymes introduction		
	4 <sup>th</sup>	Papaya, Distase		
19 <sup>th</sup> ( <b>June 1<sup>st</sup> week</b> )	1 <sup>st</sup>	Pancreatin, yeast	1 <sup>st</sup> (Batch A)	Chemical test of Black catechu
	2 <sup>nd</sup>	Pharmaceutical aids: Introduction	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Kaolin, Lanolin, Beeswax		
	4 <sup>th</sup>	Tutorial		
20 <sup>th</sup> ( <b>June 2<sup>nd</sup> week</b> )	1 <sup>st</sup>	Acacia, Tragacanth	1 <sup>st</sup> (Batch A)	Chemical test of castor oil
	2 <sup>nd</sup>	Sodium alginate, Agar	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Guar Gum, Gelatine		
	4 <sup>th</sup>	Tulsi, Guggul		
21 <sup>st</sup> ( <b>June 3<sup>rd</sup> week</b> )	1 <sup>st</sup>	Aswagandha	1 <sup>st</sup> (Batch A)	Chemical test of Acacia
	2 <sup>nd</sup>	Squills, galls	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tutorial		
	4 <sup>th</sup>	Revision		
22 <sup>nd</sup> ( <b>June 4<sup>th</sup> week</b> )	1 <sup>st</sup>	Revision	1 <sup>st</sup> (Batch A)	Chemical test of tragacanth
	2 <sup>nd</sup>	Revision	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Revision		
	4 <sup>th</sup>	Revision		
23 <sup>rd</sup> ( <b>July 1<sup>st</sup> week</b> )	1 <sup>st</sup>	Revision	1 <sup>st</sup> (Batch A)	Revision
	2 <sup>nd</sup>	Revision	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Revision		
	4 <sup>th</sup>	Revision		
24 <sup>th</sup> ( <b>July 2<sup>nd</sup> week</b> )	1 <sup>st</sup>	Revision	1 <sup>st</sup> (Batch A)	Revision
	2 <sup>nd</sup>	Revision	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Revision		
	4 <sup>th</sup>	Revision		
( <b>July 3<sup>rd</sup> week</b> )	3 <sup>rd</sup> Sessional Exams			
25 <sup>th</sup> ( <b>July 4<sup>th</sup> week</b> )	1 <sup>st</sup>	Revision	1 <sup>st</sup> (Batch A)	Revision
	2 <sup>nd</sup>	Revision	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Revision		
	4 <sup>th</sup>	Revision		
After onwards revised the queries regarding the syllabus.				