

Performa : Hindu College of Pharmacy, Sonipat (024)				
Lesson Plan				
Name of the faculty		Mrs. Jyoti		
Discipline		Pharmacy		
Semester		1 <sup>st</sup> Year		
Subject		Pharmacognosy		
Lesson plan Duration		25 weeks (Oct. 2021 to May 2022)		
Work Load/week(In hour)		Lecture- 03; Tutorial -01; Practical- 09		
Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	
1 <sup>st</sup> (Oct.3 <sup>rd</sup> week)	1 <sup>st</sup>	History of Pharmacognosy	1 <sup>st</sup> (Batch A)	Morphological identification of drugs: Ispaghula, Senna
	2 <sup>nd</sup>	Scope of Pharmacognosy	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Development of Pharmacognosy including indigenous system of medicine.	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Alphabetical, chemical and taxonomical classification of drugs		
2 <sup>nd</sup> (Oct. 4 <sup>th</sup> week)	1 <sup>st</sup>	Morphological and Pharmacological classification of drugs	1 <sup>st</sup> (Batch A)	Coriander, fennel
	2 <sup>nd</sup>	Tutorial/Test	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Introduction of crude drugs	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Adulteration of crude drugs		
3 <sup>rd</sup> (Nov. 1 <sup>st</sup> week)	1 <sup>st</sup>	Evaluation of crude drugs	1 <sup>st</sup> (Batch A)	Cardamom, Ginger
	2 <sup>nd</sup>	Evaluation of crude drugs	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Tutorial/Test	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Isolation, Identification and applications of alkaloids		
4 <sup>th</sup> (Nov.2 <sup>nd</sup> week)	1 <sup>st</sup>	Isolation, Identification and applications of glycosides	1 <sup>st</sup> (Batch A)	Nutmeg, Blackpepper
	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 Volatile oils	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Isolation, Identification and applications of tannins		
5 <sup>th</sup> (Nov. 3 <sup>rd</sup> week)	1 <sup>st</sup>	Isolation, Identification and applications of Resin	1 <sup>st</sup> (Batch A)	Cinnamon, Clove

	2 <sup>nd</sup>	Pant fibres used as surgical dressings: cotton , silk, wool	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Regenerated fibres and sutures	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
6 <sup>th</sup> (Nov. 4 <sup>th</sup> week)	1 <sup>st</sup>	Introduction of traditional system of medicine	1 <sup>st</sup> (Batch A)	Ephedra, Rauwolfia
	2 <sup>nd</sup>	Aurveda, Siddha system of medicine	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Unani and Homeopathy system of medicine	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Ayurvedic formulations like Arista, Asava,		
7 <sup>th</sup> (Dec 1 <sup>st</sup> week)	1 <sup>st</sup>	Ayurvedic formulations like Gutika, Taila, Churna	1 <sup>st</sup> (Batch A)	Gokhru, Punarnava
	2 <sup>nd</sup>	Lehya and Bhasma	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Role of medicinal and aromatic plants in national economy	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Role of medicinal and aromatic plants in national economy and their export potential		
8 <sup>th</sup> (Dec 2 <sup>nd</sup> week)	1 <sup>st</sup>	Herbs as health food: Introduction and application of Nutraceuticals	1 <sup>st</sup> (Batch A)	Cinchona, Agar
	2 <sup>nd</sup>	Antioxidants, Pro-biotics, Pre-biotics, Dietary fibres	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Omega-3-fatty acids, Spirulina, carotenoids, soya and Garlic	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
9 <sup>th</sup> (Dec 3 <sup>rd</sup> week)	1 <sup>st</sup>	Introduction of herbal formulations	1 <sup>st</sup> (Batch A)	TS of following drugs: Cinnamon
	2 <sup>nd</sup>	Introduction of herbal formulations	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Introduction of herbal formulations	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Herbal cosmetics: Introduction		
10 <sup>th</sup> (Dec 4 <sup>th</sup> week)	1 <sup>st</sup>	Aloe vera gel	1 <sup>st</sup> (Batch A)	Coriander
	2 <sup>nd</sup>	Olive oil, Rosemary oil	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Sandal wood oil	3 <sup>rd</sup> (Batch C)	do

	4 <sup>th</sup>	Tutorial/Test		
11 <sup>th</sup> (Jan 1 <sup>st</sup> week)	1 <sup>st</sup>	Almond oil, Lavender oil	1 <sup>st</sup> (Batch A)	Liquorice
	2 <sup>nd</sup>	Phytochemical Investigation of drugs	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Phytochemical Investigation of drugs	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
12 <sup>th</sup> (Jan 2 <sup>nd</sup> week)	1 <sup>st</sup>	Introduction of different categories of crude drugs	1 <sup>st</sup> (Batch A)	Nux-vomica
	2 <sup>nd</sup>	Laxatives Aloe, Castor oil	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Ispaghula, Senna	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
13 <sup>th</sup> (Jan 2 <sup>nd</sup> week)	1 <sup>st</sup>	Cardiotonics Digitalis, Arjuna	1 <sup>st</sup> (Batch A)	Evaluation of Gelatine
	2 <sup>nd</sup>	Carminatives Coriander	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Cardiotonics Digitalis, Arjuna	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
14 <sup>th</sup> (Jan 3 <sup>rd</sup> week)	1 <sup>st</sup>	Fennel, Cardamon	1 <sup>st</sup> (Batch A)	Tragacanth
	2 <sup>nd</sup>	Black pepper, Asafoetida	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	ginger, clove	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/Test		
15 <sup>th</sup> (Jan 4 <sup>th</sup> week)	1 <sup>st</sup>	Nutmeg, Cinnamon	1 <sup>st</sup> (Batch A)	Acacia
	2 <sup>nd</sup>	Astringents Catechu(black, Pale)	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Myrobalan	3 <sup>rd</sup> (Batch C)	do
	4 <sup>th</sup>	Tutorial/ Test		
16 <sup>th</sup> (Feb 1 <sup>st</sup> week)	1 <sup>st</sup>	CNS system Hyoscyamus,		Black ,Pale catechu
	2 <sup>nd</sup>	Belladonna, Ephedra	2 <sup>nd</sup> (Batch B)	do
	3 <sup>rd</sup>	Opium	3 <sup>rd</sup> (Batch C)	do

	<b>4th</b>	Tutorial/ Test		
<b>17<sup>th</sup>(Feb 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Tea leaves, Coffee seeds, Coca	<b>1<sup>st</sup> (Batch A)</b>	Asafoetida
	<b>2<sup>nd</sup></b>	Antihypertensive: Rauwolfia	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Anti-tussive: Vasaka, ToluBalsam	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4th</b>	Tutorial/ Test		
<b>18<sup>th</sup>(Feb 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Anti-rheumatics: Colchium seed	<b>1<sup>st</sup> (Batch A)</b>	TS of Aswagandha
	<b>2<sup>nd</sup></b>	Anti- tumour: Vinca, Podophyllum	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Antidiabetics: Pterocarpus, Gymnema	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4th</b>	Tutorial/ Test		
<b>19<sup>th</sup>(Feb 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Diuretics Gokhru, Punarnava	<b>1<sup>st</sup> (Batch A)</b>	TS of Ajwain
	<b>2<sup>nd</sup></b>	Antidysentric Ipecacuanha	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Antiseptics and Disinfectants	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4th</b>	Tutorial/ Test		
<b>20<sup>th</sup>(Mar 1<sup>st</sup> week)</b>	<b>1<sup>st</sup></b>	Neem, Turmeric		TS of Datura
	<b>2<sup>nd</sup></b>	Benzoin, Myrrh	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Antimalarials Cinchona, Artemisia	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4th</b>	Tutorial/Test		
<b>21<sup>st</sup>(Mar 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Oxytotic Ergot	<b>1<sup>st</sup> (Batch A)</b>	TS of Vasaka
	<b>2<sup>nd</sup></b>	Vitamins	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Cod liver and shark liver oil	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4<sup>th</sup></b>	Tutorial/Test		
<b>22<sup>nd</sup>(Mar 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Enzymes introduction	<b>1<sup>st</sup> (Batch A)</b>	TS of Cinchona
	<b>2<sup>nd</sup></b>	Papaya, Distase	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Pancreatin, yeast	<b>3<sup>rd</sup> (Batch C)</b>	do

	<b>4<sup>th</sup></b>	Tutorial/Test		
<b>23<sup>rd</sup>(Mar. 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Pharmaceutical aids : Introduction	<b>1<sup>st</sup> (Batch A)</b>	TS of Clove
	<b>2<sup>nd</sup></b>	Kaolin, Lanolin, Beeswax	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Tutorial		do
	<b>4<sup>th</sup></b>	Tutorial/ Test		
<b>24<sup>th</sup>(Apr 1<sup>st</sup> week)</b>	<b>1<sup>st</sup></b>	Acacia, Tragacanth	<b>1<sup>st</sup> (Batch A)</b>	TS of Curcuma
	<b>2<sup>nd</sup></b>	Sodium alginate, Agar	<b>2<sup>nd</sup> (Batch B)</b>	do
	<b>3<sup>rd</sup></b>	Guar Gum, Gelatine	<b>3<sup>rd</sup> (Batch C)</b>	do
	<b>4<sup>th</sup></b>	Tutorial /Test		
<b>25<sup>th</sup>(Apr 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Tulsi, Guggul	<b>1<sup>st</sup> (Batch A)</b>	Evaluation of Agar ,guar gum
	<b>2<sup>nd</sup></b>	Aswagandha	<b>2<sup>nd</sup> (Batch B)</b>	
	<b>3<sup>rd</sup></b>	Squills, galls	<b>3<sup>rd</sup> (Batch C)</b>	
	<b>4<sup>th</sup></b>	Tutorial/Test		
After onwards revised the queries regarding the syllabus.				