

Performa : Hindu College of Pharmacy				
Lesson Plan				
Name of the faculty		Mrs. Jyoti		
Discipline		Pharmacy		
Semester		1 <sup>st</sup> Year		
Subject		Pharmacognosy		
Lesson plan Duration		25 weeks (July 16, 2018 to March 30, 2019)		
Work Load/week(In hour)		Lecture- 03; Practical- 09		
Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	Topic
1 <sup>st</sup> (July 3 <sup>rd</sup> week)	1 <sup>st</sup>	History of Pharmacognosy	1 <sup>st</sup> (Batch A)	Study of microscope & its parts
	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----
2 <sup>nd</sup> (July 4 <sup>th</sup> week)	1 <sup>st</sup>	Tutorial/Test	1 <sup>st</sup> (Batch A)	Pharmacognosy of Coriander and fennel
	2 <sup>nd</sup>	Alphabetical, chemical and taxonomical classification of drugs	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Morphological and Pharmacological classification of drugs	3 <sup>rd</sup> (Batch C)	----do----
3 <sup>rd</sup> (August 1 <sup>st</sup> week)	1 <sup>st</sup>	Tutorial/Test	1 <sup>st</sup> (Batch A)	Pharmacognosy of Cinnamon and Cardamom
	2 <sup>nd</sup>	Isolation, Identification and applications of alkaloids	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Isolation, Identification and applications of glycosides	3 <sup>rd</sup> (Batch C)	----do----
4 <sup>th</sup> (August 2 <sup>nd</sup> week)	1 <sup>st</sup>	Tutorial/Test	1 <sup>st</sup> (Batch A)	Pharmacognosy of Nutmeg and Tulsi
	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----
5 <sup>th</sup> (August 3 <sup>rd</sup> week)	1 <sup>st</sup>	Isolation, Identification and applications of tannins	1 <sup>st</sup> (Batch A)	Pharmacognosy of Ginger and Clove
	2 <sup>nd</sup>	Isolation, Identification and applications of Resin	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tutorial/Test	3 <sup>rd</sup> (Batch C)	----do----
6 <sup>th</sup> (August 4 <sup>th</sup> week)	1 <sup>st</sup>	Aloes, Rhubarb	1 <sup>st</sup> (Batch A)	Pharmacognosy of Rhubarb and Aloe
	2 <sup>nd</sup>	Castor oil, Ispaghula	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Senna, Digitalis	3 <sup>rd</sup> (Batch C)	----do----
7 <sup>th</sup> (August 5 <sup>th</sup> week)	1 <sup>st</sup>	Arjuna, Coriander	1 <sup>st</sup> (Batch A)	Pharmacognosy of Senna and Isabgol
	2 <sup>nd</sup>	Fennel, Ajowan	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Cardamom, Ginger	3 <sup>rd</sup> (Batch C)	----do----
8 <sup>th</sup> (September 1 <sup>st</sup> week)	1 <sup>st</sup>	Tutorial/Test	1 <sup>st</sup> (Batch A)	Pharmacognosy of Digitalis and Arjuna
	2 <sup>nd</sup>	Black pepper, Asafoetida	2 <sup>nd</sup> (Batch B)	----do----

	3 <sup>rd</sup>	Nutmeg, Cinnamon	3 <sup>rd</sup> (Batch C)	----do----
9 <sup>th</sup> (September 2 <sup>nd</sup> week)	1 <sup>st</sup>	Clove, catechu	1 <sup>st</sup> (Batch A)	Pharmacognosy of Turmeric and Neem
	2 <sup>nd</sup>	Hyoscyamus, Belladonna	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Aconite, Ashwagandha	3 <sup>rd</sup> (Batch C)	----do----
10 <sup>th</sup> (September 3 <sup>rd</sup> week)	1 <sup>st</sup>	Ephedra, Opium	1 <sup>st</sup> (Batch A)	Pharmacognosy of Rauwolfia and Ipecac
	2 <sup>nd</sup>	Cannabis, Nux vomica	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tutorial/Test	3 <sup>rd</sup> (Batch C)	----do----
11 <sup>th</sup> (Septemer 4 <sup>th</sup> week)	1 <sup>st</sup>	Rauwolfia, Vasaka	1 <sup>st</sup> (Batch A)	Pharmacognosy of Aconite and Ashwagandha
	2 <sup>nd</sup>	Vasaka, Tolu balsam	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tulsi, Vinca	3 <sup>rd</sup> (Batch C)	----do----
12 <sup>th</sup> (October 1 <sup>st</sup> week)	1 <sup>st</sup>	Guggul, Colchicum	1 <sup>st</sup> (Batch A)	Pharmacognosy of Ephedra and Opium
	2 <sup>nd</sup>	Chaulmoogra Oil, Pterocarpus	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Gymnema sylvestris, Ipecac	3 <sup>rd</sup> (Batch C)	----do----
13 <sup>th</sup> (October 2 <sup>nd</sup> week)	1 <sup>st</sup>	Tutorial/Test	1 <sup>st</sup> (Batch A)	Pharmacognosy of Nuxvomica and colchicum
	2 <sup>nd</sup>	Gokhru, Punarnava	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Benzoin, Myrrh	3 <sup>rd</sup> (Batch C)	----do----
14 <sup>th</sup> (November 1 <sup>st</sup> week)	1 <sup>st</sup>	Neem, curcuma	1 <sup>st</sup> (Batch A)	Pharmacognosy of Catharanthus
	2 <sup>nd</sup>	Cinchona, Ergot	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Shark liver Oil, Amla	3 <sup>rd</sup> (Batch C)	----do----
15 <sup>th</sup> (November 3 <sup>rd</sup> week)	1 <sup>st</sup>	Papaya, Diastase	1 <sup>st</sup> (Batch A)	Pharmacognosy of Ergot
	2 <sup>nd</sup>	Yeast, Peppermint Oil	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Tutorial/Test	3 <sup>rd</sup> (Batch C)	----do----
16 <sup>th</sup> (November 4 <sup>th</sup> week)	1 <sup>st</sup>	Collection of crude drugs	1 <sup>st</sup> (Batch A)	Pharmacognosy of Amla
	2 <sup>nd</sup>	Preparation of crude drugs	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Collection & preparation of Ergot	3 <sup>rd</sup> (Batch C)	----do----
17 <sup>th</sup> (November 5 <sup>th</sup> week)	1 <sup>st</sup>	Collection & preparation of opium, Senna	1 <sup>st</sup> (Batch A)	Pharmacognosy of Garlic and Glycyrrhiza
	2 <sup>nd</sup>	Collection & preparation of Rauwolfia, Digitalis	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Study of cotton and wool	3 <sup>rd</sup> (Batch C)	----do----
18 <sup>th</sup> (December 1 <sup>st</sup> week)	1 <sup>st</sup>	Study of silk and regenerated fibres	1 <sup>st</sup> (Batch A)	Microscopy of Fennel
	2 <sup>nd</sup>	Tutorial/Test	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Adulteration, types and method of adulteration	3 <sup>rd</sup> (Batch C)	----do----
19 <sup>th</sup> (December 2 <sup>nd</sup> week)	1 <sup>st</sup>	Evaluation and significance of Pharmacopoeial standards	1 <sup>st</sup> (Batch A)	Microscopy of Coriander
	2 <sup>nd</sup>	Anatomical studies of Senna, Datura	2 <sup>nd</sup> (Batch B)	----do----
	3 <sup>rd</sup>	Anatomical study of Cinnamon, Cinchona	3 <sup>rd</sup> (Batch C)	----do----
20 <sup>th</sup> (January	1 <sup>st</sup>	Anatomical study of Fennel,	1 <sup>st</sup> (Batch A)	Microscopy of Clove

<b>2<sup>nd</sup> week)</b>		Clove, Ginger		
	<b>2<sup>nd</sup></b>	Anatomical study of Nux vomica & Ipecacuanha	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Tutorial/Test	<b>3<sup>rd</sup> (Batch C)</b>	----do----
<b>21<sup>st</sup>(January 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Lemon Oil, Orange Oil	<b>1<sup>st</sup> (Batch A)</b>	Microscopy of Cinnamon bark
	<b>2<sup>nd</sup></b>	Lemon grass Oil, sandalwood.	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Honey, Arachis Oil	<b>3<sup>rd</sup> (Batch C)</b>	----do----
<b>22<sup>nd</sup>(January 4<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Starch	<b>1<sup>st</sup> (Batch A)</b>	Study of absorbent cotton
	<b>2<sup>nd</sup></b>	Kaolin, Pectin	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Olive oil, Lanolin	<b>3<sup>rd</sup> (Batch C)</b>	----do----
<b>23<sup>rd</sup>(January 5<sup>th</sup> week)</b>	<b>1<sup>st</sup></b>	Beeswax, Acacia	<b>1<sup>st</sup> (Batch A)</b>	Study of Silk fibres
	<b>2<sup>nd</sup></b>	Tutorial/Test	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Tragacanth, Sodium alginate	<b>3<sup>rd</sup> (Batch C)</b>	----do----
<b>24<sup>th</sup>(February 2<sup>nd</sup> week)</b>	<b>1<sup>st</sup></b>	Agar, Guar gum	<b>1<sup>st</sup> (Batch A)</b>	Study of wool fibres
	<b>2<sup>nd</sup></b>	Gelatin, Liquorice	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Picrorhiza, Dioscorea	<b>3<sup>rd</sup> (Batch C)</b>	----do----
<b>25<sup>th</sup> (February 3<sup>rd</sup> week)</b>	<b>1<sup>st</sup></b>	Linseed, Shatavari	<b>1<sup>st</sup> (Batch A)</b>	Final record submission/ practice turn
	<b>2<sup>nd</sup></b>	Shankhapusphi, Pyrethrum, Tobacco	<b>2<sup>nd</sup> (Batch B)</b>	----do----
	<b>3<sup>rd</sup></b>	Tutorial/Test	<b>3<sup>rd</sup> (Batch C)</b>	----do----