

No. of Hours	TOPIC	Days	Expected date	Conducted date	Remark
1	<b>Unit-I</b> Definition, History, Scope and Development of Pharmacognosy	MON	16-06-25		
2	<b>Sources of Drugs –</b> Plants, Animals, Marine & Tissue Culture Organized Drugs, Unorganized Drugs (Dried Latex, Dried Juices, Dried Extracts, Gums and Mucilages, Oleoresins and Oleo- Gum - Resins).	TUE	17-06-25		
3	<b>Classification of Drugs:</b> <ul style="list-style-type: none"> <li>Alphabetical Classification of drugs</li> <li>Morphological Classification of Drugs</li> <li>Taxonomical Classification of Drugs</li> </ul>	WED	18-06-25		
4	Chemical Classification of Drugs	MON	23-06-25		
5	Pharmacological Classification of Drugs	TUE	24-06-25		
6	Chemo and Sero-Taxonomical Classification of Drugs	WED	25-06-25		
7	<b>Quality Control of Drugs of Natural Origin:</b> <ul style="list-style-type: none"> <li>Adulteration of Drugs of Natural Origin.</li> <li>Organoleptic drug evaluation</li> </ul>	MON	30-06-25		
8	Microscopic drug evaluation <ul style="list-style-type: none"> <li>Quantitative Microscopy of Crude Drugs</li> <li>Including Lycopodium Spore Method,</li> <li>Leaf constant</li> <li>Camera Lucida and Diagrams of Microscopic Objects to scale with Camera Lucida.</li> </ul>	TUE	01-07-25		
9	Physical evaluation of crude drugs	WED	02-07-25		
10	<ul style="list-style-type: none"> <li>Chemical drug evaluation</li> <li>Biological drug evaluation</li> </ul>	MON	07-07-25		
11	<b>Unit-II</b> Cultivation of crude drugs of natural origin	TUE	08-07-25		

12	Collection of crude drugs of natural origin	WED	09-07-25		
13	Factors Influencing Cultivation of Medicinal Plants.	MON	14-07-25		
14	Edaphic factors and nutritional requirements	TUE	15-07-25		
15	Storage of drugs of natural origin	WED	16-07-25		
16	Plant Hormones and their Applications.	MON	21-07-25		
17	Polyploidy with Reference to Medicinal Plants,	TUE	22-07-25		
18	Mutation with Reference to Medicinal Plants	WED	23-07-25		
19	Hybridization with reference to Medicinal Plants	MON	28-07-25		
20	Conservation of Medicinal Plants	TUE	29-07-25		
21	<b>Unit-III</b> Introduction to plant tissue culture	WED	30-07-25		
22	Historical development of plant tissue culture	MON	04-08-25		
23	Types of cultures	TUE	05-08-25		
24	Nutritional requirements	WED	06-08-25		
25	Growth and maintenance	MON	18-08-25		

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26	Applications of PTC in Pharmacognosy	TUE	19-08-25		
27	Edible vaccines	WED	20-08-25		
28	<b>Unit-IV</b> Role of Pharmacognosy in Allopathy and Traditional system of medicine	MON	25-08-25		
29	Ayurveda	TUE	26-08-25		
30	<ul style="list-style-type: none"> <li>• Unanai</li> <li>• Siddha</li> </ul>	MON	01-09-25		
31	<ul style="list-style-type: none"> <li>• Homoeopathy</li> <li>• Chinese system of medicine</li> </ul>	TUE	02-09-25		
32	<b>Introduction to secondary metabolites-</b> <ul style="list-style-type: none"> <li>• Alkaloids</li> </ul>	WED	03-09-25		
33	<ul style="list-style-type: none"> <li>• Glycosides</li> </ul>	MON	08-09-25		
34	<ul style="list-style-type: none"> <li>• Flavonoids</li> </ul>	TUE	09-09-25		
35	<ul style="list-style-type: none"> <li>• Tannins</li> </ul>	WED	10-09-25		
36	<ul style="list-style-type: none"> <li>• Volatile oils</li> </ul>	MON	15-09-25		
37	<ul style="list-style-type: none"> <li>• Resins</li> </ul>	TUE	16-09-25		
38	<b>Unit-V</b> <b>Plant fibres-</b> <ul style="list-style-type: none"> <li>• Cotton</li> </ul>	WED	17-09-25		
39	<ul style="list-style-type: none"> <li>• Jute</li> <li>• Hemp</li> </ul>	MON	22-09-25		
40	<ul style="list-style-type: none"> <li>• Hallucinogen</li> <li>• Teratogen</li> <li>• Natural Allergens</li> </ul>	TUE	23-09-25		
41	<b>Primary metabolites</b> <ul style="list-style-type: none"> <li>• Acacia</li> <li>• Agar</li> <li>• Tragacanth</li> <li>• Honey</li> </ul>	WED	24-09-25		
42	<b>Proteins and enzymes</b> <ul style="list-style-type: none"> <li>• Gelatin,</li> <li>• Casein,</li> <li>• Proteolytic enzymes-Papain and bromelain</li> </ul>	MON	29-09-25		
43	<ul style="list-style-type: none"> <li>• Serratopeptidase</li> <li>• Urokinase</li> <li>• Streptokinase</li> <li>• Pepsin</li> </ul>	TUE	30-09-25		

44	<b>Lipids</b> <ul style="list-style-type: none"> <li>• Castor oil</li> <li>• Chaulmoogra oil</li> <li>• Wool</li> <li>• Fats</li> <li>• Bees wax</li> </ul>	MON	06-10-25		
45	<b>Marine drugs</b> -Novel medicinal agents from marine source	WED	08-10-25		