



MONAD UNIVERSITY

Estd. Under U.P. Govt. University Act 23 of 2010 & U/S 2(f) of the U.G.C. Act 1956.

N.H.24, Delhi Hapur Road, Village & Post – Kastla, Kasmabad,

P.O. Pilkhuwa – 245101, District Hapur (U.P.) India

www.monad.edu.in.

Course Plan

Program- D. Pharm

Year-Ist

Course ER20-13T Pharmacognosy – Theory

Session – 2021-22

S. No.	Day	Subject	L	T	P	Total
1	D Day	Topics				
2	D+1	Definition, history, present status and scope of Pharmacognosy	1	0	0	1
3	D+2	Scope of Pharmacognosy	1	0	0	1
4	D+3	Classification of drugs: • Alphabetical • Taxonomical	1	0	0	1
5	D+4	Morphological • Pharmacological.	1	0	0	1
6	D+5	Tutorial (Problem solving session/ class test)	0	1	0	1
7	D+6	Chemical • Chemo-taxonomical	1	0	0	1
8	D+7	Quality control of crude drugs: • Different methods of adulteration of crude drugs	1	0	0	1
9	D+8	Evaluation of crude drugs	1	0	0	1
10	D+9	Brief outline of occurrence, distribution, isolation, identification tests,	1	0	0	1

11	D+10	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10
12	D+11	Therapeutic activity and pharmaceutical applications of alkaloids,	1	0	0	1
13	D+12	Terpenoids, glycosides, volatile oils, tannins and resins.	1	0	0	1
14	D+13	Biological source, chemical constituents and therapeutic efficacy of the following categories of crude drugs. Laxatives- Aloe, Castor oil,	1	0	0	1
15	D+14	Ispaghula, Senna	1	0	0	1
16	D+15	Tutorial (Problem solving session/ class test)	0	1	0	1
17	D+16	Cardiotonic -Digitalis, Arjuna	1	0	0	1
18	D+17	Carminatives and G.I. regulators- Coriander, Fennel, Cardamom, Ginger, Clove, Black Pepper,	1	0	0	1
19	D+18	Asafoetida, Nutmeg, Cinnamon.	1	0	0	1
20	D+19	Astringents - Myrobalan, Black Catechu, Pale Catechu	1	0	0	1
21	D+20	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10
22	D+21	Drugs acting on nervous system- Hyoscyamus, Belladonna, Ephedra, Opium, Tea leaves, Coffee seeds, Coca	1	0	0	
23	D+22	Anti-hypertensive - Rauwolfia	1	0	0	1
24	D+23	Anti-tussive -Vasaka, Tolu Balsam	1	0	0	1
25	D+24	Anti-rheumatics -Colchicum seed	1	0	0	1
26	D+25	Tutorial (Problem solving session/ class test)	0	1	0	1
27	D+26	Anti-tumour - Vinca, Podophyllum	1	0	0	1
28	D+27	Antidiabetics- Pterocarpus, Gymnema	1	0	0	1

29	D+28	Diuretics- Gokhru, Punarnava	1	0	0	1
30	D+29	Anti-dysenteric -Ipecacuanha	0	1	0	1
31	D+30	Tutorial (Problem solving session/ class test)	1	0	0	
		TOTAL	8	2	0	10
32	D+31	Antiseptics and disinfectants -Benzoin, Myrrh, Neem, Turmeric	1	0	0	1
33	D+32	Extraction and Galenicals	1	0	0	1
34	D+33	Antimalarials- Cinchona, Artemisia	1	0	0	1
35	D+34	Oxytocic- Ergot, Vitamins- Cod liver oil, Shark liver oil	1	0	0	1
	D+35	Tutorial (Problem solving session/ class test)	0	1	0	1
36	D+36	Enzymes- Papaya, Diastase, Pancreatin, Yeast	1	0	0	1
37	D+37	Pharmaceutical Aids -Kaolin, Lanolin, Beeswax, Acacia, Tragacanth, Sodium alginate, Agar, Guar gum, Gelatine	1	0	0	1
38	D+38	Miscellaneous -Squill, Galls, Ashwagandha, Tulsi, Guggul	1	0	0	1
39	D+39	Plant fibres used as surgical dressings: Cotton, silk, wool and regenerated fibres	1	0	0	1
40	D+40	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10
41	D+41	Sutures – Surgical Catgut and Ligatures.	1	0	0	1
42	D+42	Basic principles involved in the traditional systems of medicine like: Ayurveda,	1	0	0	1
43	D+43	Siddha.	1	0	0	1
44	D+44	Unani and Homeopathy.	1	0	0	1
45	D+45	Tutorial (Problem solving session/ class test)	0	1	0	1
46	D+46	Method of preparation of Ayurvedic formulations	1	0	0	1

		like: Arista				
47	D+47	Asava, Gutika.	1	0	0	1
48	D+48	Taila, Churna,	1	0	0	1
49	D+49	Lehya and Bhasma.	1	0	0	1
50	D+50	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10

51	D Day					
52	D+51	Role of medicinal and aromatic plants in national economy and their export potential	1	0	0	1
53	D+52	Herbs as health food: Brief introduction and therapeutic applications of: Nutraceuticals,	1	0	0	1
54	D+53	Antioxidants, Pro-biotics.	1	0	0	1
55	D+54	Pre-biotics, Dietary fibres.	1	0	0	1
56	D+55	Tutorial (Problem solving session/ class test)	0	1	0	1
57	D+56	Omega-3-fatty acids, Spirulina.	1	0	0	1
58	D+57	Carotenoids, Soya and Garlic.	1	0	0	1
59	D+58	Introduction to herbal formulations	1	0	0	1
60	D+59	Herbal formulations	1	0	0	1
61	D+60	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10
62	D+61	Herbal cosmetics: Sources.	1	0	0	1
63	D+62	chemical constituents,	1	0	0	1
64	D+63	commercial preparations.	1	0	0	1

65	D+64	Therapeutic and cosmetic uses of: Aloe vera gel,	1	0	0	1
66	D+65	Tutorial (Problem solving session/ class test)	0	1	0	1
67	D+66	Almond oil, Lavender oil.	1	0	0	1
68	D+67	Olive oil, Rosemary oil.	1	0	0	1
69	D+68	Sandal Wood oil.	1	0	0	1
70	D+69	Phytochemical investigation of drugs.	1	0	0	1
71	D+70	Tutorial (Problem solving session/ class test)	0	1	0	1
		TOTAL	8	2	0	10
72	D+71	Processing of herbal Formulation	1	0	0	
73	D+72	Processing of Herbs as health food	1	0	0	1
74	D+73	handling and storage of Herbal Formulation	1	0	0	1
75	D+74	Special applications of Herbal Formulation	1	0	0	1
76	D+75	Tutorial (Problem solving session/ class test)	0	1	0	1
77	D+76	Study of chemical constituents and therapeutic efficacy	1	0	0	1
78	D+77	Study of Aloe, Castor oil, Ispaghula, Senna	1	0	0	1
79	D+78	Study of Vasaka, Tolu Balsam	1	0	0	1
80	D+79	Cinchona, Artemisia	0	1	0	1
81	D+80	Tutorial (Problem solving session/ class test)	1	0	0	
		TOTAL	8	2	0	10



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Course Plan

Program- D. Pharm

Semester- I

Course ER20-13P PHARMACOGNOSY – PRACTICAL

Session - 2021-22

S. No.	Day	Subject	L	T	P	Total
1	D Day					
2	D+1	To study morphological identification of ispaghula.	0	0	1	1
3	D+2	To study morphological identification of senna.	0	0	1	1
4	D+3	To study morphological identification of coriander.	0	0	1	1
5	D+4	To study morphological identification of fennel.	0	0	1	1
6	D+5	To study morphological identification of cardamom.	0	0	1	1
7	D+6	To study morphological identification of Nutmeg.	0	0	1	1
8	D+7	To study morphological characters of black pepper.	0	0	1	1
9	D+8	To study morphological identification of cinnamon.	0	0	1	1
10	D+9	To study morphological identification of clove.	0	0	1	1
11	D+10	To study morphological identification of Ephedra.	0	0	1	1

		TOTAL	0	0	0	10
12	D+11	To study morphological identification Rauwolfia.	0	0	1	1
13	D+12	To study morphological identification of Gokhru.	0	0	1	1
14	D+13	To study morphological identification of punarnawa.	0	0	1	1
15	D+14	To study morphological identification of Cinchona.	0	0	1	1
16	D+15	To study morphological identification of agar.	0	0	1	1
17	D+16	To study the traverse section (T.S) of Ajwain.	0	0	1	1
18	D+17	To study the T.S of Datura.	0	0	1	1
19	D+18	To study the T.S of cinnamon.	0	0	1	1
20	D+19	To study the T.S. of cinchona.	0	0	1	1
21	D+20	To study the T.S of Coriander.	0	0	1	1
		TOTAL	0	0	01	10
		TOTAL				25