RAJASTHAN UNIVERSITY OF HEALTH SCIENCE D. Pharm Ist Year Syllabus

PHARMACOGNOSY - THEORY (ER20-13T)

Chapter No.	TOPICS			
1	Definition, history, present status and scope of Pharmacognosy			
2	Classi	Alphabetical Taxonomical Morphological Pharmacological Chemical Chemo-taxonomical		
	Quality control of crude drugs:			
3	3.1		ulteration of crude drugs	
	3.2	Evaluation of crude drug		
4	Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of: Alkaloids, Terpenoids, Glycosides, Volatile Oils, Tannins, Resins.			
			constituents and the consulting office or of the following	
	Biological source, chemical constituents and therapeutic efficacy of the following categories of crude drugs.			
	categ	Categories	Drugs	
	5.1	Laxatives	Aloe, Castor oil, Ispaghula, Senna	
	5.2	Cardiotonic	Digitalis, Arjuna	
	5.3	Carminatives and G.I. regulators	Coriander, Fennel, Cardamom, Ginger, Clove, Black Pepper, Asafoetida, Nutmeg, Cinnamon	
	5.4	Astringents	Myrobalan, Black Catechu, Pale Catechu	
		Drugs acting on	Hyoscyamus, Belladonna, Ephedra, Opium, Tea leaves, Coffee	
	5.5	nervous system	seeds, Coca	
	5.6	Anti-hypertensive	Rauwolfia	
	5.7	Anti-tussive	Vasaka, Tolu Balsam	
_	5.8	Anti-rheumatics	Colchicum seed	
5	5.8	Anti-tumour	Vinca, Podophyllum	
	5.9	Antidiabetics	Pterocarpus, Gymnema	
	5.10	Diuretics	Gokhru, Punarnava	
	5.11	Anti-dysenteric	Ipecacuanha	
	5.12	Antiseptics and disinfectants	Benzoin, Myrrh, Neem, Turmeric	
	5.13	Antimalarials	Cinchona and Artemisia	
	5.14	Oxytocic	Ergot	
	5.15	Vitamins	Cod liver oil, Shark liver oil	
	5.17	Enzymes	Papaya, Diastase, Pancreatin, Yeast	
	5.18	Pharmaceutical Aids	Kaolin, Lanolin, Beeswax, Acacia, Tragacanth, Sodium alginate, Agar, Guar gum, Gelatine	
	5.19	Miscellaneous	Squill, Galls, Ashwagandha, Tulsi, Guggul	
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6	6.1	Plant fibres used as Surgical Dressings: Cotton, silk, wool and regenerated fibres			
	6.2	Sutures – Surgical Catgut and Ligatures			
7	7.1	Basic principles involved in the traditional systems of medicine like: Ayurveda, Siddha, Unani and Homeopathy			
	7.2	Method of preparation of Ayurvedic formulations like: Arista, Asava, Gutika, Taila, Churna, Lehya and Bhasma			
8	Role o	Role of medicinal and aromatic plants in national economy and their export potential			
9	Antiox	rbs as health food: Brief introduction and therapeutic applications of: - Nutraceuticals, tioxidants, Pro-biotics, Pre-biotics, Dietary fibres, Omega-3-fatty acids, Spirulina, rotenoids, Soya and Garlic			
10	Intro	Introduction to herbal formulations			
11		Herbal cosmetics: Sources, chemical constituents, commercial preparations, therapeutic and cosmetic uses of: Aloe vera gel, Almond oil, Lavender oil, Olive oil, Rosemary oil, Sandal Wood oil			
12	Photochemical investigation of drugs				