

Roll No

RE-APPEAR EXAMINATION
Dec. 2024



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Course Code: BP603T **Course Name: Herbal Drug Technology - Theory**
Programme Name: B. Pharmacy

Time: 3 Hours**Max. Marks: 75**

Instructions: The question paper consists of 32 questions divided into three-part A, B and C. Attempt all questions from section-A comprises 20 MCQs, Any two questions out of three from section-B and Any seven questions out of Nine from section-C

Section-A (20 X 1 = 20 Marks)

1	The number of herbal remedies available in Ayurveda is _____ a. More than 8000 b. Less than 8000 c. Less than 100 d. Less than 1000	CO1	L-1
2	The good manufacturing practices of Indian system of medicine is available in _____ a. Schedule F b. Schedule H c. Schedule T d. Schedule Z	CO2	L-1
3	These are the endangered plants possessing anti-hepatotoxic activity except _____ a. <i>Phyllanthus amarus</i> b. <i>Centella asiatica</i> c. <i>Andrographis paniculata</i> d. <i>Boswellia serrata</i>	CO1	L-3
4	The manufacturing plant should have adequate space for the following: a. Manufacturing process areas b. Quality control section c. Rejected goods / drugs store d. All	CO2	L-3
5	Pressurized liquid extraction is also known as: a. Accelerated solvent extraction b. Decoction c. Percolation d. Soxhlet	CO1	L-5
6	Organic agriculture is a production system that avoids the use of the following except _____ a. Inorganic fertilizers b. Pesticides c. Growth regulators d. Bioinsecticides	CO1	L-3
7	In herbal drugs processing area, the light intensity in work rooms should not be less than _____ a. 540 lux b. 220 lux c. 120 lux d. 640 lux	CO1	L-1
8	Extraction mode depends on a. Color of Plant material b. Texture of Plant material c. Name of the Plant d. Geographical location of Plant	CO1	L-2
9	The proportion of alkaloids in the leaves of Hyocyamusis is more _____ a. At the beginning of flowering b. At the end of flowering c. Both d. None	CO1	L-4
10	Soxhlet apparatus is based on the principle: a. Direct Heating b. Siphoning c. High Pressure d. Ultra wave	CO1	L-3
11	These are indirect methods of drying except _____ a. Baking b. Solar dryers c. Lyophilization d. Infrared devices	CO3	L-4
12	The word Ayurveda means _____ a. Science of Medicine b. Science of Life c. Science of Nature d. Science of Knowledge	CO1	L-5
13	Churna is a	CO1	L-3

	a. Powder c. Liquid preparation	b. Fatty base d. Coarse powder		
14	Asava is a _____ a. Powder preparation c. Decoction	b. Alcoholic preparation d. Creamy preparation	CO1	L-3
15	Balatantra is a branch of _____ a. Siddha c. Unani	b. Homeopathy d. Ayurveda	CO3	L-4
16	The drug used for irritable bowel syndrome is _____ a. Ispagula c. Nux vomica	b. Myrobalan d. Strophanthus	CO4	L-3
17	Catechins and gallic acid are examples of _____ a. Hydrolysable tannins c. Pseudotannins	b. Non hydrolysable tannins d. None	CO4	L-2
18	Cinnamon belongs to which family: a. Umbelliferae c. Lauraceae	b. <i>Zingiberaceae</i> d. Labiateae	CO5	L-1
19	The haemolytic index is used for the identification of _____ a. Tannins c. Volatile oils	b. Saponins d. Alkaloids	CO5	L-1
20	Chemically fixed oils and fats are esters of _____ a. Ketone c. Sugars	b. Glycerol d. None	CO5	L-2

Section B (2 X 10 = 20 Marks)

1	Describe WHO & ICH guidelines for assessment of herbal drugs.	CO2	L-5
2	Define and classify Nutraceuticals. Describe the nutraceuticals for the treatment of Diabetes and irritable bowel syndrome.	CO3	L-3
3	Describe the principle of Ayurvedic system of medicine. Describe the preparation of Churna and Ghutika.	CO2	L-2

Section C (7 X 5 = 35 Marks)

1	Write note on phytosomes.	CO4	L-3
2	Describe schedule Z in detail.	CO4	L-3
3	Describe in detail the present scope and future prospects of herbal industry.	CO5	L-2
4	Define and classify herbal excipients using suitable examples.	CO5	L-1
5	Give examples of antioxidants used for skin care and hair care herbal products.	CO1	L-3
6	Describe the formulation of herbal syrup using suitable examples.	CO2	L-2
7	Discuss in detail the interactions related to Pepper and Ephedra.	CO3	L-4
8	Describe the principle of Siddha system of medicine.	CO4	L-2
9	Describe organic farming Pest management in medicinal plants.	CO5	L-2