

Reg. No.:



Y7607

Name:

University of Kerala

Fourth Semester FYUGP Degree Examination, May 2026

Discipline Specific Elective

BOTANY

UK4DSEBOT201 - Herbal Technology

Academic Level: 200-299

2024 Admission

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark
Each.Answer all questions

Qn No.	Question	CL	CO
1	Which herb is known for its pungent compound allicin?	RE	3
2	Define herbal medicinal product.	RE	1
3	In what way do natural binders help in tablet formulation?	UN	3
4	How does pest management influence the quality of medicinal plant products?	UN	2
5	How do phytosomes improve the effectiveness of herbal drugs?	UN	2
6	Why are herbal nutraceuticals beneficial for heart health?	UN	3

Part B. 8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain the function of plant gums in hair care products.	UN	3
8	Explain the selection and identification of herbal raw materials.	UN	1
9	Suggest a suitable herbal nutraceutical for managing diabetes and justify your choice.	AP	5
10	How would you apply natural flavours to make herbal medicines more acceptable to children?	AP	3

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) Suggest how pest management practices can be implemented in medicinal plants using eco-friendly methods instead of chemical pesticides. OR B) Suggest how herbal products can be applied in daily healthcare practices to improve lifestyle management.	AP	2, 3
12	A) Examine the preparation and therapeutic significance of Ayurvedic formulations such as Churna, Ghutika, Lehya, and Bhasma. OR B) Analyze the basic principles of Ayurveda, Siddha, Unani, and Homeopathy and compare their approaches to disease treatment.	AN	3, 3
13	A) Evaluate the advantages and limitations of using natural excipients over synthetic excipients in herbal formulations. OR B) Critically assess the effectiveness of novel dosage forms like phytosomes compared to traditional herbal preparations.	EV	3, 3
14	A) Prepare a report on the the importance of natural excipients in modern herbal drug formulations.	CR	2, 2

Qn No.	Question	CL	CO
	OR B) Design a herbal health food-based diet chart using ginger, fenugreek, garlic, amla, and turmeric for improving overall health.		