



Reg. No.:

Name:

University of Kerala

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

BOTANY

UK1DSCBOT104 - Plants in Daily Life

Academic Level: 100-199

2024 Admission onwards

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	Cite the Binomial name of Bajra.	RE	2
2	Name the plant which is used as a natural hair dye	RE	1
3	Describe why Lichens are called 'indicators of pollution'.	UN	2
4	Explain the importance of Papaya in face creams.	UN	4
5	Describe the main uses of Rice?	UN	2
6	Cite the active compound in Adhatoda responsible for its medicinal property	UN	2

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 why cereals are preferred as food by most people	UN	2
8	Discuss on cosmaceuticals	UN	2
9	Explain the Botany and utility of non-alcoholic beverages	AP	2
10	Explain the medicinal uses of <i>Acorus calamus</i> and <i>Oldenlandia corymbosa</i>	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)	AP	5, 4

Qn No.	Question	CL	CO
	<p>Explain the steps of banana fiber processing. Mention the advantages and disadvantages of banana fibres.</p> <p>OR</p> <p>B)</p> <p>Explain the properties of <i>Aloe vera</i> and turmeric contribute to their use in skincare products?</p>		
12	<p>A)</p> <p>Analyze the Psychoactive drugs from Hemp and Poppy and their mode of action.</p> <p>OR</p> <p>B)</p> <p>Apprise the role of plants in everyday life with reference to: (a) air purification, (b) pollution removal, (c) medicinal uses, and (d) their significance in rituals and festivals.</p>	AN	1, 1
13	<p>A)</p> <p>Evaluate the economic and nutritional significance of cereals in shaping global food security. Justify with examples</p> <p>OR</p> <p>B)</p> <p>Compare alcoholic beverages and non alcoholic beverages ?</p>	EV	2, 2
14	<p>A)</p> <p>Design a step-by-step procedure to extract natural dye from marigold flowers and explain how it can be applied to dye cotton fabric</p> <p>OR</p> <p>B)</p> <p>Formulate a homemade face cream using Papaya, Turmeric and <i>Aloe vera</i>. Explain the steps involved in the preparation and also describe how the ingredients benefit the skin</p>	CR	4, 4