

No.:

Name:



University of Kerala

Third Semester FYUGP Degree Examination, November 2025

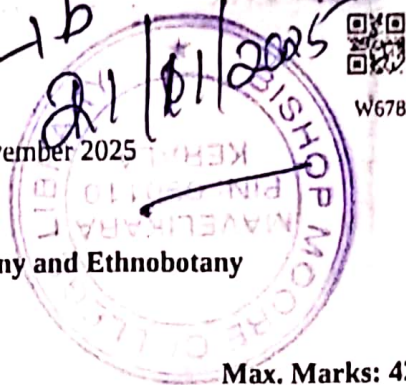
Discipline Specific Core Course

BOTANY

UK3DSCBOT202 - Floral Morphology, Systematic Botany and Ethnobotany

Academic Level: 200-299

2024 Admission



W6782

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 one example each for artificial and Natural classifications	RE	2
2	Verticillaster inflorescence is found : Options : A)a. Ocimum B)b. Sunflower C)c. Calotropis D)d. Pea	RE	1
3	Cite an Indian Herbarium.	UN	2
4	Why is the Engler and Prantl system considered phylogenetic?	UN	2
5	Identify a family which possess the characteristic feature of epicalyx ?	UN	3
6	Name one indigenous community in Kerala known for ethnobotanical knowledge.	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	Differentiate Fleshy and Dry fruits.	UN	1
8	1. Differentiate between actinomorphic and zygomorphic flowers with examples.	UN	4
9	With suitable example , explain the economic importance of family - Malvaceae.	AP	4
10	Prepare a list of 4 plants which possess racemose type inflorescence.	AP	1

Qn No.	Question	CL	CO
11	A) Explain the traditional use of <i>Rauvolfia serpentina</i>, <i>Curculigo orchioides</i> and <i>Vitex negundo</i> OR B) A botanist discovers an unknown plant in the field. Which classification system would be most suitable for quick identification, and why? Explain with reference to its merits and limitations.	AP	4, 2
12	A) Analyze the differences between racemose and cymose inflorescence. OR B) Analyze the steps involved in herbarium preparation and explain how each step ensures the accuracy and long-term preservation of plant specimens.	AN	1, 5
13	A) Evaluate the significance of the Bentham and Hooker system in the context of modern plant taxonomy. OR B) Evaluate the significance of ethnobotanical knowledge among the Kani, Kurumbar, and Kurichiya communities of Kerala in preserving traditional healthcare systems and promoting sustainable use of forest resources.	EV	2, 4
14	A) b) Create an account of the ethnobotany of the indigenous communities in Kerala along with their methods to collect the ethnobotanical data. OR B) Construct a floral diagram and floral formula for a typical member of Acanthaceae.	CR	4, 3