

Reg. No.: .....



Name: .....

**University of Kerala**

W7120

Third Semester FYUGP Degree Examination, November 2025

Discipline Specific Elective

**BOTANY**

**UK3DSEBOT201 - Ethnobotany & IPR**

Academic Level: 200-299

2024 Admission

**Time: 2 Hours(120 Mins)**

**Max. Marks: 56**

**Part A.6 Marks:Time 5 Minutes.(Cognitive Level :Remember(RE)/Understand(UN)) Objective Type.1 mark each,  
Answer all questions**

| Qn No. | Question                                                              | CL | CO |
|--------|-----------------------------------------------------------------------|----|----|
| 1      | Name any two medicinal plant used by tribal communities of Kerala.    | RE | 1  |
| 2      | Define NTFP.                                                          | RE | 1  |
| 3      | List two main types of patents.                                       | UN | 1  |
| 4      | Give an example for GI                                                | UN | 5  |
| 5      | Explain patent infringement.                                          | UN | 5  |
| 6      | Name any one financial assistance schemes for patent filing in India. | UN | 5  |

**Part B.10 Marks.Time:20 Minutes (Cognitive Level:Understand(UN)/Apply(AP))Two-three sentences.2 marks each.Answer all questions**

| Qn No. | Question                                                                         | CL | CO |
|--------|----------------------------------------------------------------------------------|----|----|
| 7      | Name the binomial of two oil yielding plants used by the ethnic groups of Kerala | UN | 1  |
| 8      | Explain the difference between patents and copyrights.                           | UN | 5  |
| 9      | Analyse the Basmati case as a patent case study.                                 | AP | 4  |
| 10     | Identify the contributions of “Kani tribe” to ethnobotany                        | AP | 1  |
| 11     | Explain Plant Breeders’ Rights and Farmer’s Rights                               | AP | 5  |

**Part C.16 Marks.Time:35 Minutes.(Cognitive Level :Apply(AP)/Analyse(AN))Short Answer.4 marks each, Answer all 4 questions,choosing among options \* within each question**

| Qn No. | Question                                                                                                                                                                                                                                                               | CL | CO   |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|
| 12     | <p>A)<br/>Explain why is it important to avoid public disclosure of an invention before filing a patent?</p> <p>OR</p> <p>B)<br/>Explain how FRLHT's documentation of traditional medicinal plants be applied to improve community health programs in rural India?</p> | AP | 5, 2 |
| 13     | <p>A)<br/>Explain the role of Siddha and Unani in modern times.</p> <p>OR</p> <p>B)<br/>Explain the importance of herbarium preparation in ethnobotanical research.</p>                                                                                                | AP | 2, 5 |
| 14     | <p>A)<br/>Compare Sui generis rights with conventional Intellectual Property Rights</p> <p>OR</p> <p>B)<br/>Analyze the patent filing procedure and its significance.</p>                                                                                              | AN | 5, 4 |
| 15     | <p>A)<br/>Analyze People's Biodiversity Register (PBR) and its importance</p> <p>OR</p> <p>B)<br/>Classify various NTFP used by the ethnic groups of Kerala</p>                                                                                                        | AN | 4, 2 |

**Part D.24 Marks.Time: 60 Minutes.(Cognitive Level :Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer 6 Marks each.Answer all 4 questions choosing among options \* within each question**

| Qn No. | Question                                                                                                                                                                                                      | CL | CO   |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|
| 16     | <p>A)<br/>Analyse the role of ethnomedicine in modern pharmaceutical research</p> <p>OR</p> <p>B)<br/>Critically evaluate the role of ethnobotany in conservation and sustainable use of plant resources.</p> | AN | 3, 2 |
| 17     | <p>A)</p>                                                                                                                                                                                                     | EV | 1, 5 |

| Qn No. | Question                                                                                                                                                                                                                                                                                            | CL | CO   |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|
|        | Describe any two ethnic groups of Kerala and their traditional plant uses.<br><br>OR<br>B)<br><br>Assess the impact of financial support programs for patent filing on small-scale industries and startups in India.                                                                                |    |      |
| 18     | A)<br><br>Evaluate the ethnobotanical data collection methods and its importance.<br><br>OR<br>B)<br><br>Evaluate the contributions of traditional systems of medicines such as Ayurveda, Siddha, Unani and Homoeopathy.                                                                            | EV | 3, 3 |
| 19     | A)<br><br>Construct a table used by ethnic groups in Kerala for each of the following categories: 2 plants in each group : Food, Medicine Beverage, Fodder, Fiber, Resin, Oil and Fragrance.<br><br>OR<br>B)<br><br>Create a flow chart explaining different forms of Intellectual property rights. | CR | 3, 5 |