

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS)
FIRST SEMESTER EXAMINATION
(2024 ADMISSION ONWARDS)
PRACTICAL

Course Code: **MG1MDCBOT100**

Course Title: **Ecotourism**

Time: 2 Hrs

Maximum Marks: 35

Student should attempt at least one question from each course outcome to enhance their overall outcome attainability

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)

Sl no	Questions	Taxonomy	CO
1	Section A: Viva based on Case Studies (10 marks) A Thenmala Ecotourism Case Study a. Describe the key features of Thenmala Ecotourism. (2 marks) b. Analyze the impact of ecotourism on local communities and the environment in Thenmala. (1 marks) c. Discuss the challenges faced by the Thenmala Ecotourism project. (2 marks) d. Viva - 5 marks OR B Periyar Wildlife Sanctuary Case Study a. Outline the biodiversity found in Periyar Wildlife Sanctuary. (2 marks) b. Evaluate the conservation strategies implemented in the sanctuary. (1 marks) c. How does ecotourism contribute to the conservation efforts in Periyar Wildlife Sanctuary (2 marks) d. Viva -5 marks	U, An, E, C	1.3.4,5 . .
2	Section B: Submit a Field Visit Report (10 marks) Field Visit Analysis a. Provide a detailed description of the ecotourism site you visited, including location and features. (3 marks) b. Identify and analyze at least three sustainable practices observed during your visit. (2 marks) c. Discuss how these practices contribute to environmental conservation and community development. (2 Marks)	U, An, E, C	1.3.4,5 .

- d. Reflect on your overall experience and learning from the field visit. (1 Mark)
- e. Viva -2 marks

- 3 **Section C: Submit Biodiversity Checklist (10 marks)** U, An 1,3
- a. Identify and list at least five plant species that have economic, ecological, and cultural significance in your selected ecotourism site. For each species, provide a brief description of its importance. (4 marks)
 - b. Discuss how this biodiversity contributes to the overall appeal of the ecotourism site. (1 marks)
 - c. Viva -5 marks
-
- 4 **Section D: Viva on Reflection and Application (5 marks)** U, An, E, C 1.3.4,5
- Personal Reflection**
- a. Reflect on how the experiences from the case studies and your field visit have influenced your understanding of ecotourism and wildlife conservation. (2. 5 marks)
 - b. Suggest ways to improve ecotourism practices in your selected site based on your observations. (2.5 marks)

Record (Field reports are to be in a bound volume as a record; there is no separate marks for record, since it has been given in each segment)

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS)
FIRST SEMESTER EXAMINATION
(2024 ADMISSION ONWARDS)
PRACTICAL

Course Code: **MG1DSCBOT100**

Course Title: **Fascinating world of plant sciences**

Time: 2 Hrs

Maximum Marks: 35

Student should attempt at least one question from each course outcome to enhance their overall outcome attainability

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)

Sl no	Questions	Taxonomy	CO
1	Make a stained transverse section of specimen A and mount in glycerin (Sectioning : 2; Staining :2; Mounting: 1- Total 5 marks)	A	3
2	Assign specimens B to F to the major plant group and write down the diagnostic features for identification (5x2 =10 marks)	An	2
3	G and H: Comment on any two parts of microscope (2.5x2= 5 marks)	A, C	3,5
4	Spot at sight I and J (Identification: 1; Usage:1; Total 2x2 = 4 marks)	A	3
5	Submit a field report with 12 geotagged photographs of plants belonging to different plant groups studied (K) Report with photographs= 6 marks).	An	2
6	Record (5 marks)	An, A, C	2,3,5

Key

1. Fresh material of dicot or monocot stem
2. Macroscopic/microscopic specimens from any 5 major plant group (Algae, Bryophyte, Pteridophyte, Gymnosperms and Angiosperms).
3. Any two parts of a compound microscope
4. Any equipment/ tools mentioned in the syllabus (Microtome /SEM/ TEM / Chromatography/ Centrifuge/AGE)
5. Report of field trip
6. Record