

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

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

Course Code: **MG1DSCEVS100**

Course Title: **Environmental biology**

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	Estimate dissolved oxygen in the given sample A (Requirements: 1; Procedure: 2; Working: 2; Inference: 1- Total 6 marks)	K, U	1,3
2	Prepare a T.S. of the given material B . Assign it to an ecological group and comment on its ecological adaptation. Draw a neat-labeled diagram. (Preparation – 1; Ecological group - 0.5; Adaptation - 1.5; Diagram – 1: Total 4 marks)	An, U	2
3	C and D : Comment on any two ecosystems (2x2= 4 marks)	U	3, 4, 5
4	Spot at sight I and J (Identification: 1; Comments:2; Total 3x2 = 6 marks)	An, K	3
5	Find out the abundance and frequency of the given data K (Abundance – 2 marks; Frequency- 2 marks: Total 4 marks)	K,U	1
6	Submit a field report with 2 geotagged photographs of various ecosystems (K). Complete report with photographs = 6 marks).	An	2
7	Record (5 marks)	An, K, U	1,3

Key

1. Water sample
2. Material from xerophyte/hydrophyte/epiphytes/halophytes
3. Various ecosystems mentioned in the syllabus.
4. Photographs of any biodiversity/pollution issues
5. Data may be given
6. Field report
7. Record