

**VIT**

Vellore Institute of Technology

SLOT: D1+TD1

SCHOOL OF BIO SCIENCES AND TECHNOLOGY
FALL-2025
CAT 1 EXAMINATION

Programme Name & Branch : M.Sc. Integrated Biotechnology
Course Name : Biodiversity and Conservation Biology
Course Code : TCIT103L
SLOT : D1+TD1
Faculty Name(s) : Dr.J. Godwin Christopher
Class Number(s) : VL2025260101081

Max. Marks: 50**Duration: 90 min.****General instruction(s): 'Draw neat diagram wherever necessary****10x5=50 MARKS****ANSWER ALL THE QUESTIONS**

Q. No.	Question	Marks	Course Outcome	Bloom's Taxonomy
1.	a. Explain how cultivating and consuming a diverse range of foods helps sustain agricultural biodiversity? [5 marks] b. How can media influence public awareness about biodiversity? Illustrate your answer with one suitable example? [5 marks]	10	CO1	BL1
2.	a. Difference between species richness and abundance? [4 marks] b. List the six criteria that animals must meet to be considered suitable for domestication? [6 marks]	10	CO1	BL2
3.	a. Explain how the extinction of one species can lead to a 'knock-on effect' in an ecosystem? [5 marks] b. What is the importance of documenting new species? [5 marks]	10	CO1	BL3
4.	Explain in detail the different aspects of the marine ecosystem?	10	CO2	BL2
5.	Elaborate on: a) Phytoremediation, and [5 marks] b) Characteristics of a forest ecosystem. [5 marks]	10	CO2	BL4

***** BEST WISHES *****