

LESSON PLAN

Class	B.Sc. Life Science 3rd Sem
Course Name	Introduction to Biodiversity
Course Code	B23-EVS-301
Course Type	CC/MCC
Teacher Name	Amisha

Month	Unit	Topic / Lesson	Teaching Method
August	I	• Definition, History and importance of Biodiversity. • Concept of species and speciation. • Genetic variations, natural selection, genetic drift and gene flow. • Biodiversity, magnitude, global accumulation. • Levels of biodiversity – species, genetic and ecosystem diversity. • Species diversity indices.	Lecture PPT Discussion
September	II	• Biodiversity gradient – latitudinal and altitudinal. • Biodiversity at global, national and local levels. • Concept of hotspot of biodiversity; criteria for determining hotspots. • India as a Mega Diversity Nation. • Indian hotspots – Indo-Burma, Western Ghats, Sri Lanka and Sundaland. • Biodiversity of mangroves, wetlands and coral reefs.	Lecture Maps PPT Discussion
October	III & IV	• Value of Biodiversity. • Biodiversity uses and ecosystem services. • Threats to biodiversity. • IUCN threat categories and Red Data Book. • Endangered and threatened species of India. • In-situ and Ex-situ conservation. • Protected areas. • Botanical gardens, Seed banks, Field gene banks, Test tube gene banks, Pollen banks, DNA bank and in vitro conservation.	Lecture PPT Case Study Discussion
November	Revision	• Revision of entire syllabus. • Doubt discussion. • Class Test / Sessional preparation.	Interactive Discussion Assessment