

Seat No.

M. Sc. (Botany) (Sem. I) (CBCS) Examination August - 2022

BOT-103: Biodiversity & Biosystematics (New Course)

> Faculty Code: 003 Subject Code: 1141003

Time : $2\frac{1}{2}$ Hours] [Total Marks: 70

Instruction: All questions are to be attended as per information.

- 1 Answer the following: 14
 - What is ecological Niche?
 - What is energy flow?
 - What is Ex-situ conservation? (c)
 - What are invasive species? (d)
 - What are threatened species? (e)
 - What is nomenclature? (f)
 - What are prokaryotes? (g)
- 2 Answer the following: (any two) 14
 - Give five characteristics of algae (a)
 - (b) Give five characteristics of reptiles.
 - What are hotspots? (c)
 - (d) What is flagship?
 - What is symbiotic relationship? (e)
 - (f) Give five characteristics of angiosperms.
 - What is anthropogenic biodiversity?
- Answer the following: (Compulsory Questions) 3 14
 - Write short note on amphibians.
 - (b) Write short note on Chordata.

4	Answer the following : (Compulsory Questions)		14
	(a)	Explain types of lichens in detail.	
	(b)	What are slim molds? Explain in detail.	
5	Answer the following:		14
	(a)	Write short note on Coelentrata	
	(b)	Write short note on Urochordate	
6	Answer the following:		14
	(a)	Explain Characters of Bryophytes in detail.	
	(b)	Explain characters of pteridophytes in detail.	
7	Answer the following:		14
	(a)	Write short note on Basidiomycetes	
	(b)	Write short note on Ascomycetes	
8	Answer the following:		14
	(a)	What are National parks? Explain in detail.	
	(b)	What is the role of ecotourism in conservation of biodiversity?	
9	Answer the following:		14
	(a)	Explain basic concept of Biodiversity.	
	(b)	Explain in-situ and ex-situ conservation of biodiversity in detail.	
10	Answer the following:		14
	(a)	What are botanical gardens? Explain with examples	
	(b)	Write short on ecological rehabilitation.	