

B.Sc. Semester - 3 (NEP-2020) Examination

OCT/NOV-2025

BIT: Environmental Biotechnology and Pollution (Multidisciplinary Course)

Time: 2:00 Hours

Marks:50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1	1)	Write a note on deserts.	(05)
	2)	Discuss in brief about carbon cycle.	(05)
OR			
Que.1	1)	Explain the interactions among populations.	(05)
	2)	What is population ecology? Explain.	(05)
Que.2	1)	Explain in brief on biodegradation of xenobiotics.	(05)
	2)	Describe biodegradation process of nitrobenzene in environment.	(05)
OR			
Que.2	1)	Describe process of bioremediation.	(05)
	2)	Write about harmful effect of acid rain.	(05)
Que.3	1)	Describe the properties of waste water.	(05)
	2)	Explain tertiary waste water treatment processes.	(05)
OR			
Que.3	1)	Pros and cons of biofertilizers.	(05)
	2)	What are bioplastics? State its limitations.	(05)
Que.4	1)	Write about any two endocrine hormones.	(05)
	2)	What are the symptoms of auxin deficiency in plants? Explain.	(05)
OR			
Que.4	1)	Insulin.	(05)
	2)	Write in short about types of animal hormones.	(05)
Que.5	1)	Write about fresh water ecosystem.	(05)
	2)	Conventional air pollutants.	(05)
OR			
Que.5	1)	A brief note on chemical properties of water.	(05)
	2)	Enlist five exocrine glands, their secretion, and their role.	(05)
