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GIET UNIVERSITY, GUNUPUR – 765022

Ph.D. (Second Semester) Examinations, April – 2024

PPEBO2013 - Advance in Environmental Science and Ecotoxicology (Botany)

Time: 3 hrs

Maximum: 70 Marks

The figures in the right-hand margin indicate marks.

Answer ANY FIVE Questions

(14 x 5 = 70 Marks)

	Marks
1.a. Correlate the technological development on human thinking and life style change.	7
b. Give an account of various causes of erosion of an ecosystems.	7
2.a. What are resources? Discuss on types, uses and methods of conserve of resources.	7
b. What are the different methods of assessment of ecosystem?	7
3.a. Discuss in details on an aquatic ecosystem with examples.	7
b. What is a biogeochemical cycle? Write details on water and carbon cycle with diagrams.	7
4.a. What is monoculture? How it influences on species diversity?	7
b. What do you mean by endangered species? How they can be conserved?	7
5.a. Give an account of human cultural conscience related to conservation of species.	7
b. What is a national park? Discuss on parts of a national park and their importance.	7
6.a. Write details about causes and remedy of water pollution.	7
b. Give an account of biological treatment of pulp and paper industry effluents.	7
7.a. Illustrate on modern treatment techniques for tannery wastes.	7
b. What is eco toxicology? Why ecotoxicology is important to study?	7
8.a. Explain the biological and chemical factors that influence on toxicity of an ecosystem.	7
b. Write how ecological balance can be restored in a deprived land ecosystem.	7

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