GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR
(GIET UNIVERSITY)

B. Tech (Second Semester – Regular/Supplementary) Examinations, April – 2025

23BBSHS10004 – Environmental Science
(Common to All Branches)

Time: 3 hrs   Maximum: 60 Marks

(The figures in the right hand margin indicate marks)

PART – A		(2 x 5 = 10 Marks)	

Q.1. Answer **ALL** questions

		CO #	Blooms Level
a.	Explain nuclear hazard.	CO1	K1
b.	Describe eutrophication?	CO2	K1
c.	Explain and exemplify grazing ecosystem?	CO3	K1
d.	Illustrate is weathering?	CO4	K1
e.	What is an PPE?	CO5	K1

PART – B		(10 x 5 = 50 Marks)	

Answer **ALL** the questions

		Marks	CO #	Blooms Level
2. a.	Briefly discuss Stockholm and Rio summit.	5	CO1	K1
b.	Discuss cause, effect and solutions for radioactive pollution.	5	CO1	K2
	(OR)			
c.	What is deforestation? Mention its causes, effect and solutions.	5	CO1	K1
d.	Conventional vs non-conventional resources	5	CO1	K2
3.a.	Explain the functions of an ecosystem.	5	CO2	K1
b.	Mention the cause, effect and solutions for soil pollution	5	CO2	K1
	(OR)			
c.	Explain the classifications of an ecosystem.	5	CO2	K1
d.	Explain the scope of environmental science.	5	CO2	K1
4.a.	Describe ecological pyramids.	5	CO3	K1
b.	Explain the importance of studying environmental science.	5	CO3	K1
	(OR)			
c.	Elaborate soil erosion	5	CO3	K1
d.	Explain wild life protection act.	5	CO3	K1
5.a.	Renewable vs non-renewable resources.	5	CO4	K1
b.	Explain EIA.	5	CO4	K1
	(OR)			
c.	Discuss occupational health and safety acts.	5	CO5	K1
d.	How to prevent accidents involving hazardous substances?	5	CO5	K1
6.a.	How would you design a personal protective equipment?	5	CO6	K4
b.	What is product safety and how is it important for customers?	5	CO6	K2
	(OR)			
c.	What do you mean by water depletion and how is it different from water pollution?	5	CO6	K4
d.	As an engineer how you look after safety and management of employees at your workplace?	5	CO6	K2

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