



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

B. Tech (First Semester - Regular) Examinations, December – 2024

23BBSBS10004 - ENVIRONMENTAL SCIENCE

(Common to all branches)

Time: 3 hrs

Maximum: 60 Marks

Answer ALL questions

(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 decomposers. List two important roles they play in the environment.	CO1	K1
b. Write the Consequences of Deforestation.	CO3	K2
c. Write the examples of non-renewable resources.	CO3	K2
d. Define solid waste Management.	CO5	K1
e. Define eutrophication.	CO2	K1

PART – B

(10 x 5 = 50 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. a. Discuss the components and function of environment.	5	CO1	K1
b. Describe the objectives of Air Prevention and Control of pollution Act 1981 and the layers of atmosphere.	5	CO1	K1
(OR)			
c. Explain the ozone layer depletion and its effects on the environment.	5	CO2	K2
d. Describe Biomedical waste. Write down the treatment and disposal of biomedical wastes.	5	CO1	K3
3.a. Explain how agrochemicals contribute to soil pollution.	5	CO1	K2
b. Explain the effects, causes and measures of nuclear hazard.	5	CO5	K2
(OR)			
c. Illustrate the Water Prevention and Control of Pollution Act.	5	CO4	K3
d. Write the tolerance levels of the environmental factors.	5	CO1	K2
4.a. What are the causes and effects of acid rain?	5	CO2	K3
b. Discuss about Occupational Safety and Health Act.	5	CO5	K2
(OR)			
c. Discuss about the salient features of Environmental Protection Act.	5	CO4	K3
d. Discuss the different types of accident and its preventive measures.	5	CO5	K3
5.a. Write a note on Wildlife Protection Act 1972.	5	CO4	K1
b. Discuss the various types of forest resources along with Forest conservation Act.	5	CO3	K2
(OR)			
c. Establish water as natural resource with the aid of hydrological cycle.	5	CO3	K2
d. Define deforestation. Enumerate and discuss the various causes of deforestation.	5	CO3	K2
6.a. Describe the objectives of Stockholm and Rio Summit. Discuss	5	CO2	K1
b. Assess the need of renewable energy resources.	5	CO3	K2
(OR)			
c. Write the causes, effects, and preventions of global warming.	5	CO2	K1
d. Describe about the sustainable development.	5	CO4	K2

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