



**GIET UNIVERSITY, GUNUPUR - 765022**  
**B.C.A (First Semester) Regular Examinations, January - 2024**  
**BCA20102 - Environmental Studies**

Time: 3hrs

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. Differentiate between abiotic and biotic components with example.	CO1	K4
b. Define smog. What is its effect on environment?	CO2	K1
c. Name two natural disasters and mention their causes.	CO3	K1
d. Explain the preventive measures for noise pollution.	CO2	K2
e. What do you mean by sustainable development?	CO4	K1

**PART – B****(10 x5=50 Marks)**Answer **ALL** questions

	Marks	CO #	Blooms Level
2. a. Define environment. Explain the components of environment.	5	CO1	K2
b. What is ecological succession? Discuss the causes of ecological succession.	5	CO1	K2
(OR)			
c. Explain the carbon cycle and its importance.	5	CO1	K2
d. Explain the ecological pyramids and its types.	5	CO1	K2
3.a. What is deforestation? Enumerate and discuss the various causes and effects of deforestation.	5	CO2	K2
b. What are the causes and effects of Air pollution?	5	CO2	K1
(OR)			
c. What are the sources and effects of various types of pollution?	5	CO2	K1
d. Describe the causes and effect of ozone layer depletion.	5	CO3	K2
4.a. What is environmental protection Act? Explain its importance.	5	CO3	K2
b. What is a volcano? Illustrate its parts with a neat diagram and mention its effect on environment.	5	CO3	K4
(OR)			
c. Explain the salient features of Wildlife Protection Act 1972.	5	CO3	K2
d. Explain the salient features of Air Prevention and Control of pollution Act 1981.	5	CO3	K2

5.a.	Elaborate the causes and effects of global warming.	5	CO3	K2
b.	What is acid rain? Mention its causes and effects on environment.	5	CO3	K2
(OR)				
c.	Describe the methods you can follow for sustainable development of environment.	5	CO4	K3
d.	What is the composition and function of NGT?	5	CO4	K1
6.a.	Define Disaster management. Briefly describe the role of disaster management and importance of advance planning and disaster management.	5	CO3	K2
b.	Mention how e- waste is produced and disposed off? Write the solution for its treatment.	5	CO3	K3
(OR)				
c.	How can you spread awareness about environment pollution in society?	5	CO2	K3
d.	What is noise pollution? Mention its causes and effect.	5	CO2	K2

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