



Roll Number

**KGISL INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY**

CLASS:	: III B.Tech IT	MAX MARKS	: 75
SEMESTER:	: IV	DURATION	: 02:00 Hrs
SUBJECT:	: Environmental Science and Engineering	CODE	: GE8291
COURSE NO	: C215	DATE	: 01.02.2019
ACADEMIC YEAR	: 2018 – 19 (EVEN)	EXAM	: INT TEST 1

PART – A (10 X 2 = 20 Marks)

I ANSWER ALL QUESTIONS

	BT Level	Course Outcome
1. Define Ecosystem.	R	C215:1
2. What are food chain and food web?	U	C215:1
3. What are the characteristics of the desert ecosystems?	R	C215:1
4. Distinguish between primary succession and secondary succession.	R	C215:1
5. What is red data book?	R	C215:1
6. What are the advantages of In-situ and Ex-situ conservation biodiversity?	R	C215:1
7. Define biodiversity.	U	C215:1
8. What is endangered species and endemic species?	U	C215:1
9. Define pollution.	R	C215:2
10. What is photochemical smog?	R	C215:2

PART – B (3 X 13 = 39 Marks)

II ANSWER ALL QUESTIONS

	BT Level	Course Outcome
11 (a) (i) Discuss the concept of ecological succession.	6 R	C215:1
(ii) Explain about forest eco-system.	7 U	C215:1
(OR)		
(b) (i) Explain about river eco-system.	7 R	C215:1
(ii) Briefly explain the structural and functional components of an ecosystem.	6 U	C215:1
12 (a) (i) Explain In-situ and Ex- situ conservation of	7 R	C215:1



biodiversity.

(ii) Write a note on endangered and endemic species. 6 R C215:1

(OR)

(b) (i) Briefly explain the energy flow through ecosystem. 7 R C215:1

(ii) Explain about types of biodiversity 6 U C215:1

13 (a) (i) Explain about Air pollution causes and effects. 13 U C215:2

(OR)

(b) (i) What is meant by value of biodiversity? Explain different values of biodiversity. 13 R C215:1

PART – C (1 X 16 = 16 Marks)

III ANSWER ALL QUESTIONS

	BT Level	Course Outcome
08 (a) (i) Explain about Grassland ecosystem.	8 U	C215:1
(ii) Explain about Desert ecosystem	8 U	C215:1

COURSE OUTCOMES

C215:1	Knowledge about environment and geological classifications and importance.
C215:2	Knowledge about pollution and seriousness of environment.
C215:3	Public awareness of environment at infant stage.
C215:4	Ignorance and incomplete knowledge has lead to misconceptions.
C215:5	Development and improvement in standard of living has lead to serious Environmental disasters.

BLOOMS TAXONOMY LEVELS

R	Remember
U	Understand
AP	Apply
AN	Analyze
E	Evaluate
C	Create

S. Raju
Staff I/C(s)

HOD

Principal

Roll Number

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PART – A (10 X 2 = 20 Marks)

I ANSWER ALL QUESTIONS

	BT Level	Course Outcome
1. Define Ecosystem.	R	C215:1
2. What are food chain and food web?	U	C215:1
3. What are the characteristics of the desert ecosystems?	R	C215:1
4. Distinguish between primary succession and secondary succession.	R	C215:1
5. Define Estuaries.	R	C215:1
6. What are the advantages of In-situ and Ex-situ conservation biodiversity?	R	C215:1
7. Give the bio-geographical classification of India.	U	C215:1
8. What is endangered species and endemic species?	U	C215:1
9. Define pollution.	R	C215:2
10. What is photochemical smog?	R	C215:2

PART – B (3 X 13 = 39 Marks)

II ANSWER ALL QUESTIONS

	BT Level	Course Outcome
11 (a) (i) Discuss the concept of ecological succession.	6 R	C215:1
(ii) Explain about forest eco-system.	7 U	C215:1
(OR)		
(b) (i) Explain about lake eco-system.	7 R	C215:1
(ii) Briefly explain the structural and functional components of an ecosystem.	6 U	C215:1
12 (a) (i) Explain In-situ and Ex- situ conservation of	7 R	C215:1



biodiversity.

(ii) Write a note on endangered and endemic species. 6 R C215:1

(OR)

(b) (i) Briefly explain the energy flow through ecosystem. 7 R C215:1

(ii) Explain about types of biodiversity 6 U C215:1

13 (a) (i) Explain about Air pollution causes and effects. 13 U C215:2

(OR)

(b) (i) What is meant by value of biodiversity? Explain different values of biodiversity. 13 R C215:1

PART – C (1 X 16 = 16 Marks)

III ANSWER ALL QUESTIONS

	BT Level	Course Outcome
08 (a) (i) Explain about Ocean ecosystem.	8 U	C215:1
(ii) Explain about Estuarine ecosystem.	8 U	C215:1

COURSE OUTCOMES

C215:1	Knowledge about environment and geological classifications and importance.
C215:2	Knowledge about pollution and seriousness of environment.
C215:3	Public awareness of environment at infant stage.
C215:4	Ignorance and incomplete knowledge has lead to misconceptions.
C215:5	Development and improvement in standard of living has lead to serious Environmental disasters.

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