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| **Roll Number** |  |  |  |  |  |  |  |

**KGiSL INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

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| **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** |

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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 |

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| **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 biodiversity. | 7 | R | C215:1 |
|  |  |  | (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 |

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| **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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| **BLOOMS TAXONOMY LEVELS** | |
| **R** | Remember |
| **U** | Understand |
| **AP** | Apply |
| **AN** | Analyze |
| **E** | Evaluate |
| **C** | Create |

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| **Staff I/C(s)** | **HOD** | **Principal** |