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

|                      |          |  |                  |          |                    |
|----------------------|----------|--|------------------|----------|--------------------|
| <b>CLASS:</b>        | <b>:</b> | <b>II B.Tech IT</b>                          | <b>MAX MARKS</b> | <b>:</b> | <b>100</b>         |
| <b>SEMESTER:</b>     | <b>:</b> | <b>IV</b>                                    | <b>DURATION</b>  | <b>:</b> | <b>03:00 Hrs</b>   |
| <b>SUBJECT:</b>      | <b>:</b> | <b>Environmental Science and Engineering</b> | <b>CODE</b>      | <b>:</b> | <b>GE8291</b>      |
| <b>COURSE NO</b>     | <b>:</b> | <b>C215</b>                                  | <b>DATE</b>      | <b>:</b> | <b>18.03.2019</b>  |
| <b>ACADEMIC YEAR</b> | <b>:</b> | <b>2018 – 19 (EVEN)</b>                      | <b>EXAM</b>      | <b>:</b> | <b>PRE MODEL 1</b> |

**PART – A ( 10 X 2 = 20 Marks )**

**I ANSWER ALL QUESTIONS**

|   |  | <b>BT Level</b> | <b>Course Outcome</b> |
|---|--|-----------------|-----------------------|
| 1. Define Ecosystem.  |  | R               | C215:1                |
| 2. Distinguish between primary succession and secondary succession. |  | U               | C215:1                |
| 3. What are all the effects of marine pollution                     |  | R               | C215:2                |
| 4. What is acid rain?   |  | R               | C215:2                |
| 5. Define water table.  |  | R               | C215:3                |
| 6. What is salinity?  |  | R               | C215:3                |
| 7. Define ozone layer depletion.                                    |  | U               | C215:4                |
| 8. List the effects of radiation.                                   |  | U               | C215:4                |
| 9. Define population explosion.                                     |  | R               | C215:5                |
| 10. Define AIDS.  |  | R               | C215:5                |

**PART – B ( 5 X 13 = 65 Marks )**

**II ANSWER ALL QUESTIONS**

|   |    | <b>BT Level</b> | <b>Course Outcome</b> |
|---|----|-----------------|-----------------------|
| 11 (a) (i) Explain about Marine Eco system in detail.       | 13 | R               | C215:1                |
| <b>( OR )</b>   |    |                 |                       |
| (b) (i) Explain about ecological succession in detail       | 13 | R               | C215:1                |
| 12 (a) (i) Explain about air pollution and water pollution. | 13 | R               | C215:2                |
| <b>( OR )</b>   |    |                 |                       |
| (b) (i) Explain about soil pollution and noise pollution.   | 13 | R               | C215:2                |

13 (a) (i) Explain over exploitation causes and effects of water resources. 13 U C215:3

**( OR )**

(b) (i) Explain about renewable energy resources in detail. 13 U C215:3

14 (a) (i) Explain about urbanization in detail 13 R C215:4

**(OR)**

(b) (i) Explain about air act and wild life protection act in detail. 13 R C215:4

15 (a) (i) Explain about HIV/AIDS in detail 13 R C215:5

**(OR)**

(b) (i) Explain about women and child welfare in detail 13 U C215:5

**PART – B ( 1 X 15 = 15 Marks )**

**III ANSWER ALL QUESTIONS**

1 (a) (i) Explain about biodiversity , types and values in detail 15 R C215:1

**(OR)**

(b) (i) Explain nuclear energy with its merits and demerits. 15 R C215:3

| <b>COURSE OUTCOMES</b> |  | <b>BLOOMS TAXONOMY LEVELS</b> |            |
|------------------------|--|-------------------------------|------------|
| <b>C215:1</b>          | Knowledge about environment and geological classifications and importance.                     | <b>R</b>                      | Remember   |
|                        |  | <b>U</b>                      | Understand |
| <b>C215:2</b>          | Knowledge about pollution and seriousness of environment.                                      | <b>AP</b>                     | Apply      |
|                        |  | <b>AN</b>                     | Analyze    |
| <b>C215:3</b>          | Public awareness of environment at infant stage.   | <b>E</b>                      | Evaluate   |
| <b>C215:4</b>          | Ignorance and incomplete knowledge has lead to misconceptions.                                 | <b>C</b>                      | Create     |
| <b>C215:5</b>          | Development and improvement in standard of living has lead to serious Environmental disasters. |                               |            |

**Staff I/C(s)**

**HOD**

**Principal**