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| **QUESTIONBANK(DESCRIPTIVE)**  **Subject Name with Code:** ENVIRONMENTAL SCIENCE (22A0028T)  **Course&Branch:Year& Semester**: II-II **Regulation:**RG 22 | |

**UNIT - I**

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| **S.No.** | **Question** | **[BT Level] [CO][ Marks]** |
| **2 Marks Questions (Short)** | | |
|  | |  | | --- | | Definition and explain components of Environment. | | **L2, CO11,2M** |
|  | Explain Scope and Importance. | **L2, CO1,12M** |
|  | |  | | --- | | Explain Need for Public Awareness. | | **L2, CO1,12M** |
|  | Explain Renewable and non-renewable resources. | **L2, CO1,12M** |
|  | |  | | --- | | Explain Forest resources – Use and over – exploitation. | | **L2, CO1,12M** |
|  | |  | | --- | | Explain deforestation, – Food resources. | | **L2, CO1,12M** |
|  | |  | | --- | | Explain World food problems. | | **L2, CO1,12M** |
|  | Explain changes caused by agriculture and overgrazing. | **L2, CO1,12M** |
|  | |  | | --- | | Explain effects of modern agriculture, fertilizer-pesticide problems | | **L2, CO1,12M** |
|  | |  | | --- | | water logging, salinity, case studies | |  |
| **Descriptive Questions (Long)** | | |

**UNIT - II**

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| **S.No.** | **Question** | **[BT Level] [CO][ Marks]** |
| **2 Marks Questions (Short)** | | |
|  | Explain Concept of an ecosystem. | **L2,CO2,12M** |
|  | Explain Structure and function of an ecosystem. | **L2,CO2,12M** |
|  | Explain Producers, consumers and decomposers. | **L2,CO2,12M** |
|  | Explain Ecological succession – Food chains. | **L2,CO2,12M** |
|  | Explain food webs and ecological pyramids – Introduction, types. | **L2,CO2,12M** |
|  | Explain characteristic features, structure and function of the following ecosystem.  a. Grassland ecosystem.  b. Desert ecosystem. | **L2,CO2,12M** |

**UNIT - III**

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| **S.No.** | **Question** | **[BT Level] [CO][ Marks]** |
| **2 Marks Questions (Short)** | | |
|  | Explain Introduction Definition: genetic, species and ecosystem diversity. | **L2, CO3, 12M** |
|  | Explain Value of biodiversity: consumptive use, Productive use, social, ethical, aesthetic and option values. | **L2, CO3, 12M** |
|  | Explain India as a mega-diversity nation – Hot-spots of biodiversity. | **L2, CO3, 12M** |
|  | Explain Threats to biodiversity: habitat loss, poaching. | **L2, CO3, 12M** |
|  | Explain Endangered and endemic species of India. | **L2, CO3, 12M** |
|  | Explain Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.   |  | | --- | |  | | **L2, CO3, 12M** |

**UNIT - IV**

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| **S.No.** | **Question** | **[BT Level] [CO][ Marks]** |
| **2 Marks Questions (Short)** | | |
|  | Definition, Cause, effects and control measures of: air pollution . | L2,CO4,12M |
|  | Definition, Cause, effects and control measures of: water pollution. | L2,CO4,12M |
|  | Definition, Cause, effects and control measures of: noise pollution.. | L2,CO4,12M |
|  | Explain Solid Waste Management: Causes, effects and control measures of urban and industrial wastes. | L2,CO4,12M |

**UNIT - V**

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| **S.No.** | **Question** | **[BT Level] [CO][ Marks]** |
| **2 Marks Questions (Short)** | | |
|  | Explain Urban problems related to energy. | **L2,CO5,12M** |
|  | Definition, Cause, effects and control measures of:Global warming, Acid rain, Ozone layer depletion . | **L2,CO5,12M** |
|  | Explain Field Work: Visit to a local area to document environmental assets River/forest grassland/hill/mountain. | **L2,CO5,12M** |
|  | Explain Visit to a local polluted site-Urban/Rural/Industrial. | **L2,CO6,12M** |
|  | Explain Agricultural Study of common plants, insects, and birds – river, hill slopes, etc. | **L2,CO6,12M** |

**Signature of the Staff:**

**Signature of Department Academic Committee Member 1:**

**Signature of Department Academic Committee Member 2:**

**Signature of Department Academic Committee Member 3:**