

<b>Branch: BCA</b>	<b>Semester-II</b>
<b>Subject Code: 2104</b>	<b>Lecture: 04</b> <b>Credit: 04</b>
<b>Subject Title</b>	<b>ENVIRONMENTAL SCIENCE &amp; RTI</b>

<b>Modules</b>	<b>Sr. No.</b>	<b>Topic and Details</b>	<b>No of Lectures Assigned</b>	<b>Marks Weight age</b>
UNIT-I	1	The Multidisciplinary nature of environmental studies, Definition, scope and importance, Need for public awareness	5	10
	2	<b>Natural Resources:</b> Renewable and non-renewable resources, Natural resources & role of natural resources with reference to Forests, water, Mineral, Food, Land, Energy, Role of an individual in conservation of these resources	6	12
UNIT-II	3	Ecosystems: Concept of an ecosystem, Structure and functions of an ecosystem, Types, characteristic features, structure and function of following ecosystems : forest, grassland, desert and aquatic	8	16
	4	<b>Environmental Pollution</b> – Definition, Causes, effects and control measures with reference to Air Pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear Hazards, Solid waste management: Causes, effect and control measures of urban and industrial wastes: <ul style="list-style-type: none"> <li>□ Role of an individual in prevention of pollution</li> <li>□ Pollution case studies related to field of computers</li> </ul> Disaster management: floods, earthquake, cyclone and landslides.	12	24
UNIT-III	5	<b>Disposal of e-waste</b>	4	8
	6	<b>Introduction to Green IT:</b> Concepts of green IT, design, management and education., Approaches of green IT such as virtualization, power management, material recycling, telecommunication, electronic disposals, etc. , Benefits of green IT	7	14
UNIT-IV	7	<b>Right of Information Act:</b> Introduction, Right to information and obligations of public authorities, central information commission, state information commission and their duties, powers and functions of information commissions, appeals and penalties, Miscellaneous	8	16

**Text Books:**

1. AnubhaKaushik, “Environmental Studies”, New Age International (P) Ltd., 2007