

R13

Code No: 114CW

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech II Year II Semester Examinations, November/December - 2020

ENVIRONMENTAL STUDIES

(Common to CE, ECE, CSE, EIE, IT, PTM)

Time: 2 hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) Explain the concept of Ecosystem and its components?
b) What is an ecological pyramids?
c) Describe the structure and function of an ecosystem? [7+4+4]
- 2.a) Explain the energy flow in the ecosystem?
b) What is Ecology? Describe the components of Ecosystem?
c) Explain the Phenomenon of Bioaccumulation. [4+7+4]
- 3.a) Define the term Resources and Natural Resources.
b) Describe the energy resources.
c) What are the benefits and problems concerned with dams? [4+7+4]
- 4.a) Describe the water resources available in Nature?
b) Explain about living and nonliving resources.
c) What are the effects of extracting mineral resources? [4+7+4]
- 5.a) Explain the Genetic Biodiversity and its significance?
b) How biodiversity maintains ecological balance?
c) What are the steps to be implemented to conserve biodiversity? [4+4+7]
- 6.a) Explain the phenomenon of biodiversity at Global, National and Regional Levels.
b) What are the roles of individual of preserving the biodiversity?
c) Explain about Hot spots of Biodiversity. [7+4+4]
- 7.a) Define "Environmental Pollution".
b) Explain the different kinds of environmental pollution?
c) What is Air Pollution? [4+7+4]
- 8.a) Describe various Environmental protection Acts promulgated.
b) What do you mean by Environmental Ethics suggest possible solutions?
c) What are salient features of Forest conservation Act? [4+7+4]

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