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**INSTITUTE OF AERONAUTICAL ENGINEERING****(Autonomous)**

B.Tech II Semester End Examinations (Regular) - May, 2017

Regulation: IA-R16**ENVIRONMENTAL STUDIES****(Common for all branches)****Time: 3 Hours****Max Marks: 70****Answer ONE Question from each Unit****All Questions Carry Equal Marks****All parts of the question must be answered in one place only****UNIT – I**

1. (a) Explain the scope of Environmental studies. [7M]
(b) What is an ecosystem? Explain the structures and functions of ecosystem. [7M]
2. (a) Discuss how an environmental study is a multidisciplinary subject? [7M]
(b) What are the impacts of deforestation on environment? How to overcome them. [7M]

UNIT – II

3. (a) Analyze the serious ecological problems created by hydroelectric power generation with examples. [7M]
(b) Explain the applications of Solar energy and photovoltaic energy. [7M]
4. (a) Explain the role of an individual in conservation of natural resources. [7M]
(b) Write a detailed note on effects of dams on forests and tribal people. [7M]

UNIT – III

5. (a) Describe in – situ and ex- situ conservation? Explain them briefly. [7M]
(b) Write a short note on conservation of biodiversity in India. [7M]
6. (a) Define Biogeography. What are Endemic and Endangered species? [7M]
(b) What is Biodiversity? Give its significance. What are the three types of biodiversity? Explain them. [7M]

UNIT – IV

7. (a) Discuss the causes, effects and control on noise pollution. [7M]
(b) Define e-waste. Discuss how e-waste can be managed to prevent environmental pollution. [7M]
8. (a) Explain the methods of disposal of municipal solid waste. [7M]
(b) Write a short note on Global warming and ozone depletion. [7M]

UNIT – V

9. (a) What is meant by environmental impact assessment and state its importance? [7M]
(b) What is global warming? Explain the global warming causes. [7M]
10. (a) Mention the causes and effects of water pollution. Explain strategies to tackle them. [7M]
(b) Explain solid waste management. Mention the affects of solid waste pollution. [7M]