

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

Four Year B.Tech II Semester End Examinations (Supplementary) - July, 2018

Regulation: IARE – R16**ENVIRONMENTAL STUDIES****Time: 3 Hours****(Common to All Branches)****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) What is environment? Discuss the scope of environment. [7M]
- (b) Describe the importance of environment studies. [7M]
2. (a) What is ecology? Define ecosystem. List any two characteristics of ecosystem. [7M]
- (b) Name any four ecosystems. Explain them briefly. [7M]

UNIT – II

3. (a) Classify different Renewable resources? Explain them briefly. [7M]
- (b) How much water is needed by one person? Several international agencies and experts have proposed that 50 liters per person per day covers basic human water requirements for drinking, sanitation, bathing and food preparation. Estimate your average daily consumption. What is your inference? [7M]
4. (a) Identify the measure that has to be taken for the better management of the world's water resources. Explain in brief. [7M]
- (b) List the challenges caused by the construction of dams. [7M]

UNIT – III

5. (a) What is biodiversity? Explain classification of biodiversity. [7M]
- (b) Discuss the threats faced by Indian biodiversity. [7M]
6. (a) Write a short note on hot spots of biodiversity. [7M]
- (b) What factors lead to biodiversity loss? Explain human impact on biological diversity. [7M]

UNIT – IV

7. (a) List out Effects of air pollution on living organisms What are the methods to control air pollution. [7M]
- (b) Discuss the different practices used to reduce environmental pollution. [7M]
8. (a) Explain soil pollution and mention at least three sources of soil pollution [7M]
- (b) What is meant by disaster Management? What are the different stages of disaster management? [7M]

UNIT – V

9. (a) Classify various sources and effects of biomedical solid waste. [7M]
(b) What is meant by environmental impact assessment and state its importance? [7M]
10. (a) What is green building? Mention its environmental benefits with justification. [7M]
(b) Discuss the water (prevention and control of pollution) act. What can individuals do to prevent water pollution? [7M]

