

**Fifth Semester B.Tech Degree Examination, Nov/Dec 2014**

**(2013 scheme)**

**Branch: Aeronautical Engineering**

**13-506.5 ENVIRONMENTAL SCIENCE**

Time:3 Hours

Max.Marks:100

**Instructions :** 1) Answer all questions from Part – A and Four full questions from Part – B.

2) Choosing not more than one question from each Module.

**PART-A**

*(Answer all the questions, 2 Marks Each)*

1. What are the three effects of deforestation?
2. Suggest three damages caused by the use of fertilizer.
3. Name various ecosystems.
4. What is acid rain?
5. Define the concept of sustainable development?
6. Define pollution equation?
7. What are the effects of population explosion?
8. Give two effects of global warming.
9. Suggest three important features of forest ecosystem
10. What are the advantages of family welfare program

**PART -B**

*(Answer one question from each module, 20Marks each)*

**MODULE I**

11. Explain the various renewable energy sources in the earth. (20)

(or)

12. a) Explain any two conflicts over water, confining to our nation? (10)

- b) Discuss the impacts of handling the mineral resources for extraction and subsequent utilization on the environment? (10)

**MODULE – 2**

13. Explain the structure and function of Ecosystem with a neat sketch (20)

(or)

14. a) Discuss the importance of biodiversity? (10)  
b) Write informative notes on 'in-situ' and 'ex-situ' conservation? (10)

**MODULE – 3**

15. Discuss the method of solid waste management by sanitary land filling and thermal means. (20)

(or)

16. a) What is noise? Describe briefly the effects of noise on human health? (12)  
b) Suggest measures to control air pollution? (08)

**MODULE – 4**

17. a) Give a brief account of global warming? (10)  
b) Bring out the various details of wasteland reclamation practices? (10)

(or)

18. a) Write a note on waste shed management. (06)  
b) Discuss briefly on environment act 1986? (06)  
c) Describe briefly on Bhopal disaster and Chernobyl disaster? (08)