

AR13

SET-02

Code: 13HS1003

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)**

I B.Tech. II Semester Supplementary Examinations, October-2014

**ENVIRONMENTAL STUDIES
(Common to CE, ME, CSE & IT)**

Time: 3 hours

Max Marks: 70

PART – A

Answer all questions

[10X1 = 10M]

1. a) UNEP
b) Environment
c) Hydrosphere
d) World Population Day
e) Deforestation
f) Nuclear energy can be generated by
g) The term 'Ecology' was introduced by
h) Which pyramid is always upright?
i) Largest Tiger sanctuary in India
j) Noise is

PART – B

Answer one question from each unit

[5X12 = 60M]

Unit – I

2. a) Describe the need and importance of Environmental Education in the present day context.
b) Environment includes various complex components. Explain them what are they and how they are interacted. [6M+6M]

(OR)

3. a) Write the Renewable and Non-Renewable energy sources.
b) Explain the uses of alternate energy sources. [6M+6M]

Unit – II

4. a) Explain briefly structure and function of an Ecosystem.
b) Explain Biodiversity and its Conservation. [6M+6M]

(OR)

5. a) Write the Biotic Components and Decomposers of Ecosystem.
b) Explain the possible threats and Conservation methods taken by our government with examples. [6M+6M]

Unit – III

6. a) What are the effects and control methods of Water Pollution?
b) Explain briefly the Depletion of Ozone layer. [6M+6M]

(OR)

7. a) Write the reasons for Environmental Pollution.
b) Explain the causes of Air and Water Pollutions. [6M+6M]

Unit – IV

8. a) What is Deforestation? Give the reasons and effects for Deforestation.
b) Classify natural resources with examples. [6M+6M]

(OR)

9. a) Briefly write about Environment Protection Act.
b) What are the different types of pollutants? [6M+6M]

Unit – V

10. a) Give a detailed description of factors that control a population.
b) Effects and functions of IT and Environmental Studies.

(OR)

11. a) What is Documentation? Explain Urban slums and their problems.
b) What is Occupational health? Explain health problems in an industry. [6M+6M]

AR13

Set-01

Code: 13CS1001

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)**

I B.Tech II Semester Supplementary Examinations, October 2014

COMPUTER PROGRAMMING

(Common to EEE & ECE)

Time: 3 hours

Max Marks: 70

PART-A

Answer all questions

(10X1=10M)

1. a) List logical operators
b) Differentiate break and continue statements
c) What is the use of goto statement?
d) What is the default storage class for a variable in C?
e) What is the use of register variables?
f) What is recursion?
g) How to allocate dynamic memory?
h) Define self referential structure.
i) What is a pointer?
j) How to open a file in read only mode?

PART – B

Answer one question from each unit

(5x12=60)

UNIT - I

2. a) Discuss about the program development steps.
b) Write a flow chart to find the largest of three numbers.
(OR)
3. a) Discuss various operators in C.
b) Write a C program to find the average of four numbers.

UNIT - II

4. a) Explain about control structures in C.
b) Write a C program which reads three sides of a triangle and find whether the given triangle is right angle triangle or not.
(OR)
5. a) Discuss jump statements in C.
b) Write a C program to find whether the given number is Armstrong number or not.

UNIT - III

6. a) Explain in detail about storage classes in C.
b) Write a recursive function to find the n^{th} Fibonacci number.
(OR)
7. a) Explain string handling functions in C.
b) Write a program to find multiplication of two matrices.

UNIT - IV

8. a) Discuss about call by value and call by reference with example.
b) Explain command line arguments with suitable example.

(OR)

9. a) Compare structures and unions in C with example.
b) Write a C program to display student details using array structures.

UNIT - V

10. a) Explain file handling mechanism in C.
b) Write a C program to display the content of the file.

(OR)

11. a) Explain about formatted I/O.
b) Discuss C pre-processors.