

Time: 3 hours

Max Marks: 70

PART – A

Answer all questions

[10 x 1=10M]

1. a) Alternative energy sources
b) Desertification
c) Estuaries
d) Hot spot
e) Difference between pollutant and contaminant
f) Bio Medical waste
g) Acid rains
h) EIA
i) Vermi composting
j) Problems of Population

PART-B

Answer one question from each unit

[5 x 12=60M]

UNIT-I

2. a) Justify the Urgent need of public awareness on environment and the social issues? [6M]
b) What are various components of environment? Explain the importance of stratosphere. [6M]
(OR)
3. a) Discuss the effect of modern agriculture practices on the food sources? [6M]
b) Explain the role of an individual in conservation of Natural sources? [6M]

UNIT-II

4. a) Explain the structural features of desert ecosystem. [6M]
b) Define Ecological Succession and Explain the search type of succession. [6M]
(OR)
- 5.a) Define biodiversity? Explain the values of Biodiversity [6M]
b) Bring out the bio-geographical classification of India? [6M]

UNIT-III

6. a) Discuss adverse effects and Suggest various control measures of Air Pollution [6M]
b) What is thermal pollution? How nuclear waste affecting humans and animals [6M]
(OR)
7. a) Classify solid waste and Explain various methods of disposal of solid waste. [6M]
b) Discuss in detail disaster management practices? [6M]

UNIT-IV

8. a) What is sustainability? How the resources should be managed to attain sustainability? [6M]
b) What is watershed? Discuss the objectives and practices of watershed management? [6M]
(OR)
9. a) Discuss the constitutional provisions in India for protection of environment? [6M]
b) Suggest various water conservation techniques that can be practiced by individuals. [6M]

UNIT-V

10. a) Discuss Environment verses Human health? [6M]
b) Write a note on demographic transition? [6M]
(OR)
11. a) Make a brief document on the problems related to urban slums. [6M]
b) Justify the importance of maintenance of eco- Park. Explain with an example any Local eco-park. [6M]

AR13

Code: 13CS1001 **SET-2**
ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)
I B. Tech II Semester Supplementary Examinations, July-2016

COMPUTER PROGRAMMING

(EEE, ECE)

Time: 3 hours

Max Marks: 70

PART-A

Answer all questions

[10 x 1=10M]

1.
 - a) Mention different operators in C?
 - b) What is a header file?
 - c) Define a function in C.
 - d) What is multi dimensional array? Give an example.
 - e) What is switch statement?
 - f) Why is scanf() statement used in C?
 - g) How is if-then –else statement used in C?
 - h) What is a binary file in C?
 - i) What is error handling in C?
 - j) Write C statement to find smaller of two numbers.

PART-B

Answer one question from each unit

[5 x 12=60M]

UNIT-I

- 2 a) What are the steps to follow for solving problems by using a computer? [6M]
b) Write an algorithm and draw the flow chart for finding the biggest among the three given numbers? [6M]
- (OR)
- 3 a) What is a top-down design? Discuss [6M]
b) Explain about access modifiers in C language? [6M]

UNIT-II

- 4) a) Differentiate between do-while loop and while-do loop with the help of an example. [6M]
b) Write a program to print for n line with n as input

```
4 3 2 1 2 3 4
3 2 1   1 2 3
2 1     1 2
1       1
```

[6M]

(OR)

- 5 a) Write a program to calculate sum of first n even number taking n as input. [6M]
b) Compare iteration and recursion with the help of an example. [6M]

UNIT-III

6. a) Discuss about pointer dangling? [6M]
b) Write a C program to sort given n cities by using pointers? [6M]

(OR)

7. a) What is an array? Explain multidimensional arrays with an example? [6M]
b) What are command line arguments? Explain. [6M]

UNIT-IV

- 8) a) Explain bit field operators with an example? [6M]
b) Write a program to illustrate the usage of pointers to structures? [6M]

(OR)

9. a) Write a C program using nested structures to store the details of students? [6M]
b) Differentiate between unions and structures? [6M]

UNIT- V

10. a) Explain various file operations of C by giving syntax of each Operation? [6M]
b) What are the different types of variables based on its storage type and scope? [6M]

(OR)

- 11) Write a C program to store student details in a file by using record concept? [12M]