

S.NO: 22N1- UCS

Course Code: XUA/KUA

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

B.Sc (Computer Science)/ BCA Degree Examination

I Semester – November – 2022

CC I – C PROGRAMMING

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer ALL the Questions

1. Define flowchart.
2. How to declare a variable?
3. List any four library functions.
4. What is an array?
5. How to define a structure?
6. Mention the role of union.
7. What is meant by pointer variable?
8. Write any two advantages of pointer.
9. How to define a file?
10. Mention the role of rewind() and ftell().

Section -B

5X5=25

Answer **ALL** the Questions

11. a) Classify the different data types in C.

(or)

b) List and explain the characteristics of computer.

12. a) Explain the needs of user define function.

(or)

b) Write a factorial value program using recursive function.

13. a) Summarize the concept of arrays in function.

(or)

b) Write a short note on structure within structure.

14. a) Explain about pointers with structure.

(or)

b) Elaborate note on pointer expression.

15. a) How to open and close a file? Discuss.

(or)

b) Explain `getw()` and `putw()` with example.

Section -C

3 X 10 = 30

Answer any **THREE** Questions

16. Categorize the various types of operators with example.
17. Demonstrate the concept of two dimensional array with suitable program.
18. Interpret the structure variable and accessing structure members.
19. Summarize the concept of call by value and call by reference.
20. Illustrate the dynamic memory allocation in detail.

~~~~~