

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****APRIL - 2016****15CCS2A/15CCA2A****PROGRAMMING IN C****Time : 3 Hours****Max. Marks : 75****SECTION – A (10 x 2 = 20)****Answer ALL the questions.**

1. What is a Variable? Illustrate with an example.
2. Give an example for initialisation of String array.
3. What is Ternary Operator?
4. What is Function?
5. Declare an array of size five and assign five values to it.
6. Define Static Storage Class.
7. Define an Array of Pointer.
8. What is Recursion?
9. Explain the differences between Structure and Union.
10. Define File.

SECTION – B (5 x 5 = 25)**Answer any FIVE of the following questions.**

11. Explain various types of Expressions with example.
12. Describe Switch Statement.
13. Explain various methods to use Functions in C.
14. Discuss a comparison with Variable, Arrays, Structure and Union.
15. Define Files and its operations.
16. Explain the differences between Call by value and Call by reference.
17. What is recursion? Explain a recursive function with suitable example.
18. Write a C program to find an element in a given Array?

SECTION – C (3 x 10 = 30)**Answer ALL the questions.**

19. (a) Write a C program to Multiply two matrices.
(Or)
(b) What are the various Operators available? Discuss each one of them with suitable examples.
20. (a) Explain various types of IF Statement with example.
(Or)
(b) Explain the various Looping Statements used in C language with examples.
21. (a) Explain the various String handling functions.
(Or)
(b) What is Union? Discuss with an example.

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