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**D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**  
**SEMESTER EXAMINATIONS**

**APRIL– 2019**

**15CACC2A**

**ALLIED :**

**PROGRAMMING IN C**

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**Time : 3 Hrs.**

**Max.Marks : 75**

**SECTION–A(10 x 2 =20)**

**Answer ALL the questions.**

1. Define Constant.
2. What are Identifiers?
3. What is a Control Statement?
4. Write the general format of if..else statement.
5. What is function Prototype?
6. Differentiate between Call By Value and Call By Reference.
7. Write the general form of array declaration.
8. What is Self – ReferentialStructure?
9. Write the syntax of fopen() statement.
10. Explain the differences between Structure and Union.

**SECTION–B(5 x 5 =25)**

**Answer any FIVE of the following questions.**

11. Summarize the Complete Structure of a C program.
12. Describe the various Data Types in C.
13. Explain the function of Switch statement with an example.
14. Write a C program to check whether the given String is Palindrome or not.
15. Explain the Storage Classes in C.
16. How Multi – DimensionalArrays are declared in C? Explain with an example.
17. Write a note on Union.
18. What is Pointer? How pointers are declared in C?

**SECTION–C(3 x 10 =30)**

**Answer ALL the questions.**

19. (a)Describe the various types of Operators in C.  
(Or)  
(b)Describe any Ten commonly used Library Functions in C.
20. (a) What is Recursion? Write a Recursive program to find the factorial value of an integer.  
(Or)  
(b)Distinguish while, do while and for statement in C with an example.
21. (a) What is a Structure? How does a structure differ from an array?  
(Or)  
(b)Explain various File Handling functions in C.

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