

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1**SEMESTER EXAMINATIONS****NOVEMBER – 2016****CMA5D****PROGRAMMING IN C LANGUAGE****Time: 3 Hrs****Max. Marks: 75****SECTION – A (10 X 2 =20)****Answer ALL the questions.**

1. What are variables?
2. What is the work of declaration?
3. Name any four arithmetic operators.
4. Express in C lang $3x^2 + \frac{x}{2} + 5$.
5. Define a one dimensional array.
6. Write the general format of do.....while.
7. Write the general format of a function.
8. What is structure in C?
9. Write the format of declaration of a pointer variable.
10. What is the general format for declaring and opening a file?

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

11. Write a short note on 'String Constants'.
12. Explain with illustration how expressions are evaluated in 'C' language.
13. Write note on 'printf' and how it is used in a C program.
14. Explain about 'switch' Statement.
15. Write a C program using 'for' Loop.
16. Describe 'the function body' in C language.
17. Define a structure type, struct personal that would contain person name date of joining and salary. Using this structure, write a C Program to read this information for one person from the Keyboard and print the same on the screen.
18. Illustrate "the address of a variable" with suitable example or a C Program.

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

19. a) Write notes on "Declaration of Variables".
(Or)
b) Explain various arithmetic operators used in C Language.
20. a) Write a C program using ifelse statement with its output.
(Or)
b) Write short notes on "Two dimensional arrays".
21. a) Explain about a "multi function" program.
(Or)
b) File closing in C language – Explain.

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