SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.Com.(ISM) - END SEMESTER EXAMINATIONS APRIL-2023
SEMESTER - II
20UBICT2004 - Progamming in C

Total Duration : 2 Hrs 30 Mins.   Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Name and describe the various Data types available in C.

2. Show the general structure of C programme.

3. Prepare a priority list of operators used in C.

4. Write a C Programme to generate even numbers between 1 and 100.

5. Illustrate the concept of Switch case statement.

6. Compute the factorial of a given number using recursion function.

7. Describe Multidimensional arrays.

8. Explain the usage of Pointers with proper example.

Section C

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Convert the following
      (i) $(A6BF5)_{16} = (\ )_2$
      (ii) $(345)_8 = (\ )_{10}$
      (iii) $(101.01)_2 = (\ )_{10}$
      (iv) $(7864)_{10} = (\ )_{16}$
      (v) $(7.FD6)_{16} = (\ )_8$

10. Design a simple calculator with the following operators. $+,-,*,/,\%$.
    (Note: Accept 2 numbers and use the above operators)

11. Write a program to compute greatest and smallest of given 3 nos.

12. Explain the following (i) Register (ii) Function Prototype (iii) Storage Class.

13. Describe the principles of Structure with example.

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