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.Sc.(Statistics) END SEMESTER EXAMINATIONS NOVEMBER -2023
SEMESTER - III
20USTAT3003 - Programming in C++

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

Section B

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

1. List the benefits of Object oriented programming.

2. Illustrate mathematical functions with example.

3. Classify the character set in C++.

4. Prepare a program to find the given number is odd or even.
   Get the value of age during run time.

5. Predict the advantages of using function.

6. Explain about Constructor and Destructor with example.

7. Explain different types of constants with example.

8. Illustrate operator overloading.

Section C

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

9. Examine the syntax, declaration format of cin/cout, gets/puts, getchar/putchar, getc/putc with example.

10. Classify the type of Operators in C++.

11. Describe in detail control statements with neat representation with example.

12. Prepare a student program, read the name, age, roll number, department, m1,m2, m3, m4, m5 and calculate the total and average. Use the class definition with two functions.

13. Distinguish between multilevel inheritance and multiple inheritance with program.

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