

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 09**

## B.Voc. (Web Technologies & Multimedia) (Sem.-1)

# PROGRAMMING FUNDAMENTALS IN C++

**Subject Code : BVWM-102-19**

**M.Code : 77170**

**Date of Examination: 23-12-2024**

**Time : 3 Hrs.**

**Max. Marks : 60**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

## SECTION-A

- 1. Define the following terms :**

- a) Data types
- b) Continue
- c) Global Variable
- d) Destructor
- e) Friend class
- f) Static variable
- g) New
- h) Function overloading.
- i) Virtual base class
- j) Protected

### **SECTION-B**

2. Explain characteristics of Object Oriented Programming.
3. Explain the use of functions and its types.
4. Explain constructor overloading.
5. What are the various types of access specifiers are used in C++?
6. Write a program to print table of a number.

### **SECTION-C**

7. Write a program to overload ++ and - - operator increase and decrease the value of class data members.
8. Write difference between call by value, call by address and call by reference explain with the help examples.
9. Explain various types of inheritance that we can perform in C++. Give examples.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**