

Roll No.

Total No. of Pages : 02

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B.Voc. (Web Technology & Multimedia) (Sem.-1)

**PROGRAMMING FUNDAMENTALS IN C++**

Subject Code : BVWM-102-19

M.Code : 77170

Date of Examination : 17-01-23

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. Answer briefly :**

- a. Is destructor overloading possible? If yes then explain and if no then why?
- b. How do you allocate and deallocate memory in C++?
- c. What is need of type casting in C++?
- d. How Multilevel Inheritance is different from Multiple Inheritance?
- e. What is an exception in C++?
- f. When do we need iterator?
- g. What is the usage of flush in C++ programming?
- h. Define data abstraction.
- i. List various types of operators and their usage.
- j. When do you need to use continue statement?

## SECTION-B

2. What is runtime polymorphism in C++? Write a program to illustrate it.
3. How can you convert an integer to string in C++? Write a program.
4. What are the various Compound Assignment Operators in C++? State the difference between Pre and Post Increment/Decrement Operations.
5. What is a Copy Constructor and when is it called?
6. What is the difference between a while and a do while loop? Explain with examples.

## SECTION-C

7. What is the meaning of scope of a variable in C++? Illustrate with an example. Write in detail about Pass by Value and Pass by Reference.
8. What is Exception Handling? Does C++ support Exception Handling? Comment on C++ standard exceptions.
9. What is the difference between an Object and a Class? What are the various access specifiers in C++? Write a program to demonstrate working of different access specifiers.

**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.**