

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 :

- Is destructor overloading possible? If yes then explain and if no then why?
- How do you allocate and deallocate memory in C++?
- What is need of type casting in C++?
- How Multilevel Inheritance is different from Multiple Inheritance?
- What is an exception in C++?
- When do we need iterator?
- What is the usage of flush in C++ programming?
- Define data abstraction.
- List various types of operators and their usage.
- 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.