

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (E&IT) (Sem.-2)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : BVET-202-20

M.Code : 79547

Date of Examination : 15-12-22

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. Write briefly :
 - a) What do you mean by a token?
 - b) What are objects? Give the syntax to create an object of a class in C++.
 - c) What is parametrized constructor?
 - d) What is the role of an abstract class?
 - e) What is the use of *protected* keyword in inheritance?
 - f) Define inline function.
 - g) What are the limitations of multiple inheritance?
 - h) What is the difference between keyword and identifier?
 - i) Outline the main components of a C++ program.
 - j) Give an example of function overloading.

SECTION-B

2. How operator overloading is performed in C++? Explain with an example.
3. Compare and contrast the object-oriented programming and procedure-oriented programming paradigms.
4. Explain the role of new and delete operator in C++ with the help of a sample program.
5. Explain the usage of destructors in C++ with an example.
6. Write a C++ program to demonstrate the use of the pure virtual function with the help of base and derived classes.

SECTION-C

7. Discuss various types of inheritance in C++ with suitable examples.
8. Write a program to read a text file and display the contents in the reverse order.
9. Write short notes on:
 - a. Data Abstraction
 - b. Copy constructor.

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.