

Roll No.

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 : 06-07-22

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 dynamic initialization of objects?
- b) What is the purpose to define multiple constructors in a class?
- c) What are the limitations of multiple inheritance?
- d) What is the role of objects in C++?
- e) List the advantages of inheritance concept.
- f) What is the use of *this* keyword in C++?
- g) Outline the major components of a C++ program.
- h) Define operator overloading.
- i) What is the purpose of using a destructor in C++?
- j) List any four file opening modes in C++.

SECTION-B

- 2) Write a program to copy contents of one file into another file in C++.
- 3) Differentiate between object-oriented programming and procedure-oriented programming paradigms.
- 4) How member functions of a class are accessed using objects? Explain with an example.
- 5) Explain the concept of virtual function with an example.
- 6) Write a program to calculate the area of a rectangle and a triangle using function overloading.

SECTION-C

- 7) Discuss the role of access specifiers in inheritance and show their visibility when they are inherited as public, private and protected with an example.
- 8) Discuss the various types of constructors in C++ with an example.
- 9) Write short notes on :
 - a. Data Encapsulation
 - b. Abstract Class

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.