

Roll No.

Total No. of Pages : 02

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BCA/DEP/DCA/B.Sc. (Information Technology) (Sem.-2)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : BSBC-203

M.Code : 10052

Date of Examination : 08-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

1) Answer briefly :

- a) What are different access specifiers in C++?
- b) What are Local and Global variables?
- c) What is Dynamic Memory Allocation?
- d) Write down the syntax to create a class and object.
- e) What is Pure Virtual Function?
- f) Write the procedure to open and close a file in C++.
- g) What is stream in C++?
- h) Write a C++ program to implement the concept of nested class.
- i) What is destructor?
- j) What is the purpose of nested structure?

SECTION-B

- 2)
 - a) Why it is necessary to include header files at the beginning of the program? What role do they play?
 - b) Write a note on Data Hiding.
- 3) Define a constructor. How will you overload a constructor? Explain with example.
- 4) What is Inheritance? What are its different types? Also write C++ program to implement Multiple Inheritance.
- 5) Write notes on the following :
 - a) Nested structure
 - b) Structure with pointer
- 6) What is Polymorphism? What is its need? Write C++ program to implement the concept of polymorphism.
- 7) What is Function? Name its different categories. Write a program to pass arguments to a function using
 - a) Passing by Address
 - b) Passing by Reference

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.