

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(IT/PGDCA) (Sem.-2)
OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : PGCA-1911

M.Code : 77840

Date of Examination : 08-07-22

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1. Write briefly :

- a. What is a scope resolution operator?
- b. What are the rules of naming the identifiers in C++?
- c. What are keywords? List any five keywords used in C++.
- d. Differentiate between assignment and equality operators.
- e. Discuss the concepts of inbuilt and user defined data types.
- f. Briefly explain the concept of Abstract Class.
- g. What is the use of *this* keyword in C++?
- h. What do you mean by static class members?
- i. What is a constructor? What are its properties?
- j. What is Polymorphism? How is it implemented in C++?

SECTION-B

2. Explain the features of Object Oriented Programming. How is it different from Procedural Programming Languages?
3. Write a program in C++ to read n numbers (n is to be entered by the user) and to display the sum and average of these n numbers.

4. Explain with examples the different conditional and iterative statements used in C++.
5. Write a program in C++ to find sum of two matrices.

SECTION-C

6. Explain with the help of examples the different Access Specifiers used in C++.
7. What is a class? What is the relation between an object and a class? Write a program which shows how to define a class, how to access member functions and how to create and access objects in C++.
8. What is inheritance? Explain with example how to inherit a class in C++. Also show in what order the constructors are called when an object of a derived class is created.
9. What is a File? What are the steps involved in manipulating a file in a C++ programs?

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.