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Total No. of Pages : 03

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 : 05-6-2023

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 virtual function?
- b) What is exception handling?
- c) Explain the difference between a class & object.
- d) Explain the use of pointers.
- e) What are the various Logical operators in C++?
- f) Explain the difference between "Call by reference" and "Call by value".
- g) What is polymorphism?
- h) How are friend functions different from member functions?
- i) Explain how base class member functions can be invoked in a derived class.
- j) What are Destructors?

SECTION-B

2. What are the major differences between object oriented language and procedural language?
3. What are the various output statements of C++? Explain.
4. Write a program to add two matrices.
5. What are the various control structure statements available in C++? Explain with example.

SECTION-C

6. How are Constructors & destructors invoked in derived classes? Explain how memory is allocated to classes & objects.
7. Write a program to accept a line & count the number of words in C++.
8. Design a program to manipulate string class to overload operators which can perform the function of string concatenate.
9. What are the different type of inheritance? Explain with example

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