

C1006

Total Pages : 3

Roll No.

MIT (CS)-303

Objective Oriented Programming Using C++

M.Sc. Cyber Security (MSCCS-18/21)

3rd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. What is object oriented programming? Explain features of object oriented programming language.

2. What is a constructor? Explain types of constructor with example.
3. What is exception? Explain exception handling with example.
4. What is the difference between a class and an object? Explain with the help of example.
5. Explain the following terms with the help of example :
 - (a) Virtual function.
 - (b) Pure Virtual Functions.
 - (c) Destructors.
 - (d) Manipulators.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. What is a template? List the merits and demerits of using a template in C++.
2. Write a program to reverse a string using recursion.
3. Differentiate between macros and functions.

4. Explain the difference between while and do while loop with the help of an example.
 5. What is array? Explain the different types of array with example.
 6. Explain Inline Junction and Function overloading with the help of an example.
 7. What do you mean by dynamic binding? How it is useful in OOP?
 8. What is the significance of scope resolution operator (::)?
-

