

A-834

Total Pages : 3

Roll No.

MCS-502/MIT (CS)-303

MSCCS/MCA/MSGIT

(OOps Using C++)

3rd Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. What do you mean by Modular Programming ? How it is differ from Object Oriented Programming ? Explain with an example.
2. What is the difference between Call by reference and Call by Value ?
3. What are Default Constructor and Default Destructor ? Explain with suitable example. Also explain Copy Constructor.
4. Explain Polymorphism. Define Ad-Hoc Polymorphism and Universal Polymorphism with suitable example.
5. What is Virtual Function ? Explain with example when virtual function is used.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Define Inheritance. How many different types of Inheritance are there ?
2. What do you mean by Custom I/O Operators ? Explain.
3. What is System Memory and Static Memory ?
4. What are input and output stream ? Explain.
5. What are custom file operators ?
6. Define Base class and Derived class.
7. Distinguish between Binary and Unary Operator Overloading.
8. Write a C++ program to for addition, subtraction, multiplication and division of two numbers.
