

M.C.A Bridge course
Month's Feb-25

Date: 31/2/2025
(Winter-2024)
(Second Half-2024)

(Time: 3 Hours)

[Total Marks: 80]

N.B. (1) Question No. 1 is Compulsory.

(2) Attempt any three questions from the remaining five questions.

(3) Answers to sub-questions should be grouped and written together.

- Q.1** (a) What is dynamic binding? How it is implemented explain with suitable example. 10
(b) What is constructor? Explain different types of constructors with examples. 10
- Q.2** (a) What is Operator overloading? Write a program in C++ to overload subscript [] operator. 10
(b) Explain different manipulators with suitable examples. 10
- Q.3** (a) Explain exception handling mechanism in C++ with suitable example. 10
(b) Explain the mechanism for passing parameter to the function using pass by value and pass by address with suitable example. 10
- Q.4** (a) What is inheritance? Demonstrate multiple inheritance with the help of suitable example. 10
(b) Explain the conversion of class object to primitive type using suitable example. 10
- Q.5** (a) What is dynamic memory allocation? Explain the use of 'new' and 'delete' operators with suitable examples. 10
(b) When will you make a function inline? Explain with suitable example. 10
- Q.6** Write short notes on any four :-- 20
(a) Static data members
(b) Friend function
(c) File opening modes
(d) Protected modifier
(e) Loops in C++
-