

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (Sem.-2)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : MCA-202

Paper ID : [B0107]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY carrying TWENTY marks in all.
3. Use of non-programmable scientific calculator is allowed.

SECTION-A

ational operators? Explain with example.

2. What is classes and what are its various types of members? Give relevant examples to explain.

SECTION-B

3. Explain the use of get & put pointer in file handling.
4. Explain how memory is allocated to classes & objects.

SECTION-C

5. What do you understand by inheritance? Give its various types and access mechanisms.
6. Write a program in C++/Visual C++ to overload the +, -, X, % operator to find the addition, subtraction, multiplication and division of Complex numbers.

SECTION-D

7. Explain what are overloaded operator & how does a compiler proceed to execute an overloaded operator?
8. Write a program to find the sum of two matrices.

SECTION-E

9.
 - i. What is the use of constructors?
 - ii. What is a virtual class?
 - iii. What is a friend function?
 - iv. What is polymorphism?
 - v. What is a scope resolution operator?
 - vi. What is direct memory access?
 - viii. What is meant by dynamic initialization of a variable?
 - ix. What are the advantages of scope resoluter?
 - x. Explain the difference between abstraction & data hiding.

copy constructors?