

Roll No.

Total No. of Pages : 02

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Bachelor of Science (Graphics & Web Designing) (Sem.-2)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : UGCA-1909

M.Code : 77730

Date of Examination: 30-05-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write Briefly :

- a. What are copy constructors?
- b. What are default constructors?
- c. What are the advantages of a class?
- d. How is (ios::app) mode different from (ios::ate mode)?
- e. What is a friend functions?
- f. How are structures is different from a class?
- g. What is meant by dynamic initialization of a variable?
- h. What is polymorphism?
- i. What is direct memory access?
- j. What is a static variable?

SECTION-B

2. Write a program in C++ to overload the +, -, operator to find the addition and subtraction of Complex numbers
3. What are the various File Opening Modes? Explain with examples.
4. Explain how base class member functions can be invoked in a derived class if the derived class also has a member function with the same name.
5. Explain what is an overloaded operator & how does a compiler proceed to execute an overloaded operator?
6. Write a program to find the roots of a quadratic equation.
7. What are the various input statements of C++. Explain

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.

