



B.E DEGREE EXAMINATIONS: APRIL 2015

(Regulation 2009)

Eighth Semester

ELECTRONICS AND COMMUNICATION ENGINEERING

CSE103: Object Oriented Programming and C++

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. What does a default header file contain?
 - a) prototype
 - b) implementation
 - c) declarations
 - d) initialization
2. The datatype in the class in C++ program are by default
 - a) protected
 - b) private
 - c) public
 - d) semi-private
3. Which is more effective while calling the function?
 - a) call by value
 - b) call by reference
 - c) call by pointer
 - d) call by value and call by pointer
4. What are mandatory parts in function declaration?
 - a) return type, function name and parameters
 - b) return type and function name
 - c) only return type
 - d) only function name
5. Constructors are used to
 - a) initialize the objects
 - b) construct the data members
 - c) initialize the data members
 - d) access the objects faster
6. What is an array?
 - a) Is a series of elements of any type.
 - b) Is a series of elements of the same type in contiguous memory locations.
 - c) Is a series of elements of the same type placed in non-contiguous memory locations.
 - d) Is a single element

- b) (i) Define overloading and its different types. (4)
(ii) With an example program explain the concept of function overloading. (10)

23. a) What is constructor? Explain different types of constructors with an example.

(OR)

- b) (i) What are the library functions for C++ String class? Explain with example (8)
(ii) Develop a C++ program for passing array as function argument. (6)

24. a) What is inheritance? Explain the different types of inheritance with an example program

(OR)

b) Develop a C++ program for illustrating the concept of operator overloading.

25. a) (i) What is a virtual function? Write rules for virtual function. Explain with example. (10)
(ii) Explain friend function with an example. (4)

(OR)

- b) (i) Write a C++ program for finding the biggest number from 3 numbers using 'this' pointer (8)
(ii) Explain the working of static functions with an example. (6)
