

B.TECH DEGREE EXAMINATIONS: JUNE/JULY 2013

Fifth Semester

FASHION TECHNOLOGY

CSE141: Object Oriented Programming with C++

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. State the pure object oriented languages
 - a) Simula
 - b) Turbo Pascal
 - c) Ada
 - d) C++
2. What's wrong? While ((i < 10) && (i > 24))
 - a) the logical operator '&&' cannot be used in a test condition
 - b) the while loop is an exit-condition loop
 - c) the test condition is always false
 - d) the test condition is always true
3. Which operator used for class member access
 - a) *
 - b) →
 - c) dot *
 - d) dot
4. Member function of a class are normally declared as
 - a) Protected
 - b) Public
 - c) Private
 - d) Default
5. The friend function can be invoked
 - a) By class
 - b) By object `
 - c) Like a normal function
 - d) By member function
6. When a multidimensional array is accessed, each array index is
 - a) separated by commas
 - b) surrounded by brackets and separated by commas
 - c) separated by commas and surrounded by brackets
 - d) surrounded by brackets
7. Name the function which is used to destroy the object by default
 - a) constructor
 - b) Inline
 - c) Destructor
 - d) Friend
8. The return type of the constructor
 - a) void
 - b) float
 - c) int
 - d) no return type

example

- (ii) Explain the friend function and friend class .Write a program to find the maximum of two numbers from two different classes using friend function. (10)

(OR)

- b) Explain the following concepts with a suitable example. Objects as function arguments, Returning objects from function

24. a) (i) List out the rules for overloading operators. (4)
(ii) Write a program to perform addition of two complex numbers using binary operator overloading. (10)

(OR)

- b) Explain the following concepts with its syntax and example program
Parameterized Constructor, Copy Constructor, Dynamic Constructor

25. a) What is virtual function and virtual base class? Write in detail about how virtual base class is used in hybrid inheritance with an example program.

(OR)

- b) What is Single Inheritance. Write a program to count the people entering a bank, increment the count when they come in and decrement it when they go out. so that count has to represent the number of people in the bank at any moment. (**hint:** In base class a count could be initialized to 0 with constructor, increment with ++ operator and derive it publicly and decrement with - - operator in derived class)
