(14)

SARDAR PATEL UNIVERSITY
T.Y.B.Sc : SEMESTER – V
US05CCSC01 : Object Oriented Programming Using C++
Tuesday, 12th NOVEMBER, 2013

Time : 10:30am to 01:30pm   Max.Marks : 70

Q.1   Multiple choice of Question: 10

[1] _____ is the developer of C++.
   [A] Dennis Ritchie   [B] Ivan Byros
   [C] James Gosling   [D] Bjarne Straustrup

[2] _____ means that the code associated with a given procedure call at run time.
   [A] Static binding   [B] Early binding
   [C] Dynamic binding   [D] None

[3] C++ supports _____
   [A] anywhere declaration of variable   [B] Reference variable
   [C] Dynamic initialization of variable   [D] All

[4] Objects created dynamically with their data members initialized during creation are known as _____ Objects.
   [A] nameless   [B] live   [C] constant   [D] default

[5] _____ access specifier is default in class definition.
   [A] private   [B] protected   [C] public   [D] None of Above

[6] Object without name is known as _____.
   [A] nameless object   [B] live object
   [C] constant object   [D] default object

[7] By default, main( ) in C++ returns _____.
   [A] void   [B] int   [C] char   [D] char*

[8] A pure virtual function is equated to _____.
   [A] zero   [B] -1   [C] 1   [D] NULL

[9] Which one of the following operators can be overloaded?
   [A] ::   [B] New   [C] .*   [D] Sizeof

[10] Which one of the following operators cannot be overloaded?
   [A] the function call ( )   [B] +=   [C] >>   [D] ?:

Q.2   Attempt any 10 questions: 20
   [1]   Define variable and constants.
   [2]   What is object – oriented programming?
   [3]   List out any four header files in C++.
   [4]   Define destructor and give its example.
   [5]   Write syntax for declare & initialize two dimensional array with example.
   [6]   What do you mean by arrays of string? Give example.
   [7]   List situations when inline function is not expanded inline.
   [8]   Discuss default arguments briefly.
   [9]   Define virtual function. Also, state difference between virtual function & pure virtual function.
   [10] What is this pointer?
   [11] Can we overload destructor? Explain your answer.
   [12] What is stream?

P.T.O

Q.3   [A] Explain different operator available in C++.   5

      [B] Explain encapsulation and inheritance with example.   5

OR

Q.3   [A] Explain different data type available in C++.   5

      [B] Explain Data abstraction and polymorphism with example.   5

Q.4   [A] What do you mean by constructors? What is the use of constructors in C++? How many types of constructors we can create in C++ programs   5

      [B] Explain basic I/O in C++ with proper example.   5

OR

Q.4   [A] Explain constructor overloading and copy constructor with example.   5

      [B] Explain constant objects and live objects with proper example.   5

Q.5   [A] Discuss inline functions with appropriate example.   5

      [B] Explain multiple & multilevel inheritance with suitable example.   5

OR

Q.5   [A] Explain the concept of friend function with suitable example.   5

      [B] Explain single & hierarchical inheritance with suitable example.   5

Q.6   [A] Explain binary operator overloading with example.   5

      [B] Explain write(), close() functions with example.   5

OR

Q.6   [A] Explain unary operator overloading with example.   5

      [B] Explain read(), seek() functions with example.   5

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