B. C. A. (Sem. III) (CBCS) Examination

October / November - 2017

CS - 14 : C++ & Object Oriented Programming

(Old Course)

Faculty Code : 003

Subject Code : 003302

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Answer of the following :   **20**

   (1)   What does call instance of class ?

   (2)   When a language has capability to produce new data type, it is called ?

   (3)   C++ token contains _____.

   (4)   Array is Derived data type. (True/False)

   (5)   The main( ) is _____ Function

   (6)   When two or more function shares the same name, then it called _____.

   (7)   A class is _____ data type.

   (8)   By default, all members of a class have _____ access for all its members.

   (9)   A destructor takes _____ arguments.

   (10)   _____ Operator operates on one operand.

   (11)   The _____ mode is used to open a file for append.

   (12)   Full form of STL is _____.

   (13)   Class C : public A, public B is example of _____.

   (14)   _____ keyword is used in multipath inherence to avoid ambiguity.

   (15)   A steam is a serious of _____.

   (16)   The base class for most stream classes is the _____ class.

(17) _____ function is used to write single character in file.

(18) Sequence container includes _____.

(19) Vector container supports _____ iterator

(20) _____ function sorts the list elements in ascending order.

2 (A) Answer any **three** :　　　　　　　　　　　　6

(1) List out the name of languages which Can be considered as OOP.

(2) What is the use of size of operator ?

(3) What is function overloading ?

(4) What is object ?

(5) What is destructor ?

(6) What is member function ?

(B) Answer any **three** :　　　　　　　　　　　　9

(1) Differentiate : C v/s C++

(2) Write short note on Type casting

(3) Explain pass by value, pass by address, pass by reference

(4) Explain pointer to members in detail.

(5) Write short note on Explicit Constructor.

(6) Explain operator function in detail.

(C) Answer any **two** :　　　　　　　　　　　　10

(1) Explain name space in detail.

(2) Explain Switch statement with suitable example.

(3) Write a program to sort *n* numbers using function.

(4) Write a program to define a class cube with following member's-length, width, depth and volume( ) and calculate the volume of cube and display it on screen.

(5) Write a program to overloading following binary operator using friend function :

+, −, *, /.

3 (A) Answer any **three** : 6

   (1) What is containership ?

   (2) What is abstract class ?

   (3) What is different between cin and getline( ) function ?

   (4) What is file pointer in file handling ?

   (5) What is STL ?

   (6) What is pointer ?

   (B) Answer any **three** : 9

   (1) Write short note on viability of members in inheritance.

   (2) Write a note on *this.

   (3) List the different ios flags with its explanation.

   (4) Write short note on Error Handing in file.

   (5) Explain vector container with suitable example.

   (6) Example iterator in detail.

   (C) Answer any **two** : 10

   (1) Explain destructors function under multilevel inheritance.

   (2) Write a short note on pure virtual function.

   (3) Write a program which copies the content of one file to a new file by removing unnecessary space between words.

   (4) Write a function template to find the positive numbers from the array.

   (5) Write a program to input file name content from command prompt and store it into the file.

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