Class: 12th

Subject : Computer Science I



October 2015

Time: 2.00 hrs Marks: 50 Select the correct alternative & rewrite: Q. 1 (A) (4)____ is not a process state in OS. (a) i) Readv ii) Running iii) Exited iv) Blocked _____ collection of Nodes. Tree is a (b) i) Hierarchical ii) Linear iv) Graphical iii) Relational We can not define more than one _____ in a class. (c) ii) Destructor i) Constructor iii) Member Function iv) Data Member The _____ attribute of of HTML is use to change. (d) Bullets of the list i) START ii) VALUE iii) BULLETS iv) TYPE (B) Answer any two of the following. (6)What are the service provided by Operating system? a) b) List any six operations perform with Data Structure List the different types of data types used in C++ with example. Q. 2 (A) Answer any two of the following. (6)Explain the following operations of File Management. a) Create a File ii) Writing a File iii) Delete a File Write an algorithm to insert an Element into Array.: b) What is constructor? Give an example. c) (B) Solve any one of the following. (4) What is Virus? Explain any two infection methods of virus. Explain following tags of HTML with its attributes and suitable b) example. <FRONT> <A> (ii) (i) Q. 3 (A) Solve any of two of the following. (6)a) What is GUI? Explain any tow elements of GUL What is multiprogramming and context switching in process b) management of OS? Give two example of declare Member Functions: b) Inside the class outside the class ii) i)

- (B) Solve any one of the following.
 - What is Paging? Explain using example and diagram of page table.

 Logical memory and physical memory
 - b) What is Binary Tree? With suitable example, give the linked representation of Binary Tree in Memory
- Q. 4 (A) Solve any two of the following.

(6)

(4)

- a) Write a algorithm for traversing the Array.
- b) With a algorithm for traversing Library Functions i) Strepy () ii) stremp ()
- c) Give any six rules of Operator Overloading
- (B) Solve any one of the following.

(4)

- a) Define Security of OS. Describe the elements security.
- b) Draw the binary tree for following expression

Q. 5 (A) Solve any two of the following.

(10)

- a) Write a program in C++ display the following output using for loop:
- b) Write a program in C++ to declare the array of 10 floats and find the largest.
- c) Write output of following HTML code:

```
<HTML>
    <HEAD>
    <TITLE> ABC </TITLE>
    <HEAD>
         <BODY>
         <HR>
         <CENTER>COMPUTER SCIENCE </CENTER>
         <HR>
         <OL>
         <LI> Operating system
         <LI> Data Structure
         <LI> C++
         </OL>
    </HL>
    </BODY>
    <HTML>
```

OR

- a) Write a program in C++ to accept a string from keyboard and find the length of the string without using library function.
- b) Write a program in C++ to accept two integer number in main () and find sum of those no using function of by address:
- c) Write HTML Code to display following output.

