

- (B) Solve any one of the following. (4)**
- a) 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)**
- a) Write a algorithm for traversing the Array.
 - b) With a algorithm for traversing Library Functions
 - i) Strcpy ()
 - ii) strcmp ()
 - 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>
  </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.

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