**CS301 Midterm Papers Spring 2019**

**(15 to 28 June 2019)**

**CS301 Midterm Papers 17 June 2019**

19 Mcqs from past mostly .  
  
Question 1 .inorder was given write the left child .  
  
2. What are the function of current and head pointers.  
  
3. A program was given about reference and identity the errors in program.  
  
4.Make a node x between p and q node In link list .and also write the c++ statement to add the node and current pointer point to x .  
  
5 .A tree was given and make a binary search tree with in order traversal

**Today Midterm CS301 5:30pm 22 June 2019**

Evaluate postfix expression (3marks)

Write down the balance of each node of given AVL Tree(3 marks)

When stack is implemented using linked list data structure whether it is more suitable to add or remove elements at start or at end using push and pop methods explain in detail (5 marks)

Balance the given AVL Tree using double rotation, you must show both the rotations(5 marks)

Write a small program to print the numbers 0 to 100 using recursive function call(5 marks)

**Today Midterm paper Cs301** **22 June 2019**  
Mcqs was from waqar and moez files  
Constarct avl tree with maximum 4 levels 5 mark.  
Constarct BST of 40.30.28.17.4.9 and delete node 30. 5marks  
Which structure is best when dont know the number of elements justify your an swer 3 marks  
And one was definition

**CS301 Finalterm 8: am .15 /6/19**.  
ek question main 3 public variable batany thy.5 5 no K 3 Q thy. Tree banana ek double rotation sy balance Karna. Ek find (),remove (?),update (x,?) :clear (), in list data structures ko briefly explain karna tha. AVL ki sequence batani the