**CS301 Spring 2018 Final Term Papers**

**(01 September 2018 to 12 September 2018)**

**CS301 current finalterm paper 02 Sep 2018**

Mcqs waqar and moaz file sa ay kuch handouts sa ay mcqs  
Q41. Three characteristics of union by weight method  
42. Three characteristics of hashing function  
43. Heapilfy the given Array   
44. What is function length() method used for also build a complete bst from 5 nodes ?  
45. Use buildheap to insert 14 into min heap   
46. Build expression tree from this postorder 6561+-\*231///  
47. Use insertion sort to given elements  
48. Avl tree which case is easy for deletion   
49.   
50.  
51.   
52. List 4 pixel inclusion criteria

**CS301 today current finalterm paper 02 Sep 2018**

AVL tree mn sy node del krna tha (5 marks)  
huffmen code (3 marks)  
Creat min heap with given array (5 marks)  
void quicksort(int\*arr,intN) is ka baki code likhna tha.  
(A-B)+C\D postfix expersion mein convert krna tha or sary steps ko  
Stack k through Show Krna tha.(5 marks)  
what is threded binery tree  
what is hashing give example.

85% Mcq's from past papers.  
bs itna hi yaad h

**Today CS301 paper (11:00) Finalterm**  
Almost All mcqs from moaaz file  
Subjective 3,4 question from moaaz file  
frequency create krna tha "data structure " ka 3 marks  
"the cat in the cat" ka b frequency table create krna tha 5 marks ka  
ak program aya tha  
tree diya tha us ka pre order or post order find krna tha 5 marks  
ak tree ka post order find krna tha 3 marks

**Today CS301 paper 02 sep 2018**

Mcqs mostly from moaz file

Question of 3 marks  
1. 3 trees were given we have to tell wether they fulfil the property of heap or not  
2. Union pairs were given and we have to make tree  
3. Skip list proprties  
4. Tree was given and have to tell level of each node  
5. Data was given and have to make frequency table

Questions of 5 marks  
6. Bubble sort data was given  
7. 3,4,5,7,9,10,13,17 data was given and was asked what is the charactristic os this tree avl tree  
What will be solution to solve this tree and why?  
8. Data was given and have to make thread tree  
9. Same data but thread with dummy  
10. Union by hight propeties