[http://www.VUSR.net](http://www.vusr.net/)

Total 52 Q’s,40 mcq,s 120min

* For a perfect binary tree of height 5,what will be the sum of heights of nodes? 2marks
* Properties of equivalence class.
* Two ways for the implementation of Queue data structure.
* Worst case of selection sort
* Max heap, add 24 3 marks
* “is a sibling of” set of all human beings is equivalence relation or not? explain.
* Linked memory
* 3 5 9 8 1 7 0 2 6 4 , draw after the 1st iteration of large loop in a selection sort (smallest to largest)
* Union commands 1, 2, 3, 4, 5 union(4,2),union(3,1),union(5,4) 5 marks
* Code for removing an element froma linked list data structureif it is implementationby using linked memory methods.
* Fill the hash table ofsize 11 that results when u insert the keys 19, 6, 16, 8, 5, 13, 1
* Draw an heap that is created by removing one item from the heap.

911

77 66

68 1 3 11