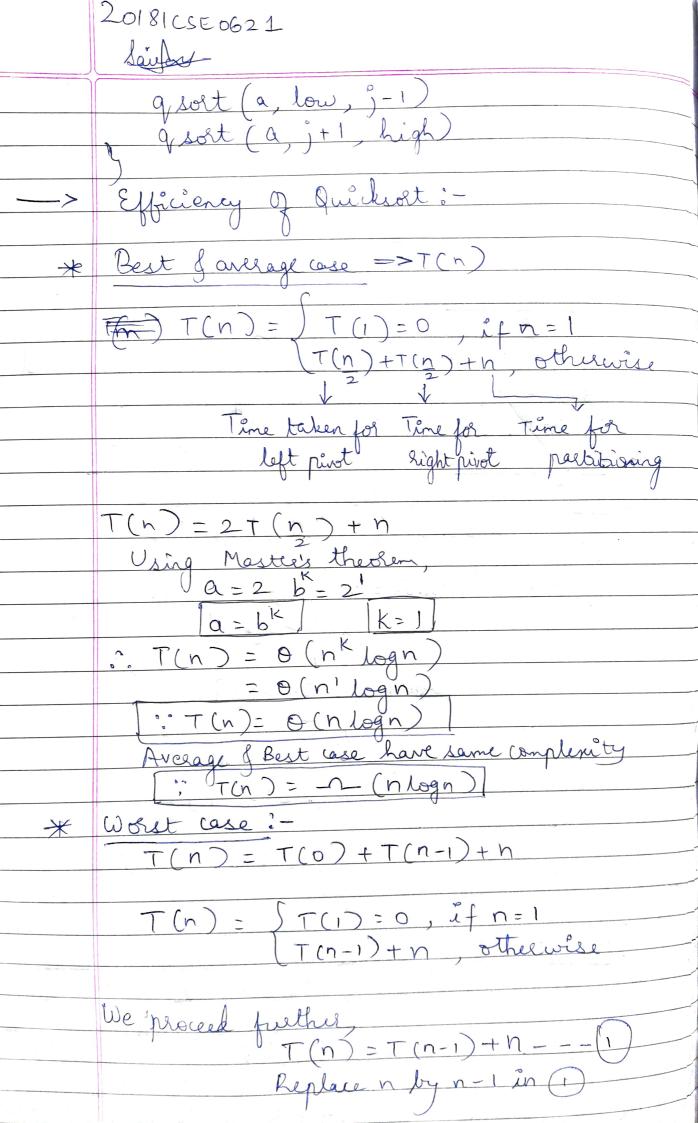
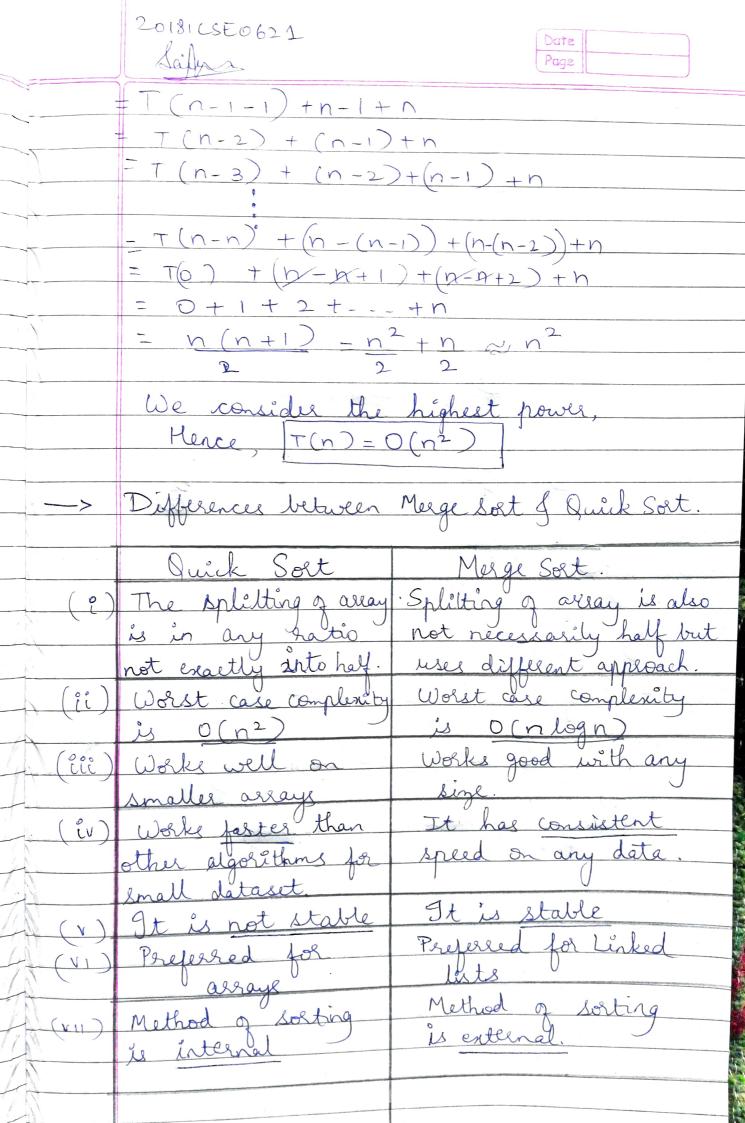
2018/CSE0621 Sailsa Sai Ram. K 5 - CSE-10. 20181CSE0621 0801/2021 Part-B Q.I Quiksot: Quicksort is a divide and conquer algorithm. It picks an element as pivot and partitions the given array around the hivst. Stepl:-Partitioning the array into 2.

partition (a, low, high) pirot = a [low] i=low+1, j=high while (pirot > a[o]) white (pivot x a [j]) if (izj)

swap (a[i],a[j])

clse swap (a[low], a[j]) Step 2: Sørting the array port (a, low, high) "if (low & high) j= partition (a, low, high)





	20181 CSE 0621
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>	Example for quickent:
1	Consider \$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Stepl:-	Paetition:
J	210,80,30,90,90,50(70)y
-	partition
	[10,30,40,50] (Last 20,80) Partition on 80
	partition on 80
	\(\int_{10}, \(30\) \(\frac{1}{30}\) \(\frac{1}{30}\)
(10,30(40)
	Sin Gold Sin
	(10,30) {)
510	4 } 4
Step2:-	Merging Rack we get:
<u>'</u>	10, 30, 40, 50, 70, 80, 90}
-	
MOS/	Merging is done by traversing.
1 of a serious	
¥6 A	