Time Complexities...

Algorithms	Best Case	Average Case	Worst Case
Binary Search	O(1)	$O(\log_2 n)$	O(1)
Sequential Search	O(1)	O(n)	O(n)
Quick Sort	O(n.log n)	$O(n^2)$	$O(n^2)$
Heap Sort	O(n.log n)	O(n.log n)	O(n.log n)
Merge Sort	O(n.log n)	O(n.log n)	O(n.log n)
Insertion Sort	O(n)	$O(n^2)$	O(n)
Bubble Sort	$O(n^2)$	$O(n^2)$	$O(n^2)$
Selection Sort	$O(n^2)$	$O(n^2)$	$O(n^2)$
Height of Complete Binary Tree	O(log n)	-	-
Insertion in Heap	O(log n)	-	-
Construct Heap	O(n.log n)	-	-
Delete form Heap	$O(\log_2 n)$	-	-
Huffman Coding	O(n.log n)	-	-
Prim's (matrix)	$O(n^2)$	-	-
Prim's (heap)	O((E+V)log V)	-	-
Kruskal	O(E.log E)	-	-
BFS, DFS	O(V+E)	-	-
All pair Shortest	$O(V^3)$	-	-
Dijkstra	$O(V^2)$	-	-