



Sr. No.	Unit No.	Question	BL	CO
1	5	Write Linear Search Algorithm. Demonstrate Linear search algorithm and find the element $x=16$ in the following array. 2, 15, 81, 22, 6, 33, 18, 16, 72, 91	U	C05
2	5	Write Binary Search Algorithm. 1. Demonstrate binary search algorithm and find the element $x=12$ in the following array. 2, 5, 8, 12, 16, 23, 38, 56, 72, 91 2. Demonstrate binary search algorithm and find the element $x=31$ in the following array. 10, 15, 18, 26, 27, 31, 38, 45, 59 3. Demonstrate binary search algorithm and find the element $x=24$ in the following array. 12, 15, 18, 20, 27, 30, 36, 45, 54	U	C05
3	5	Compare: Linear Search and Binary Search	U	C05
4	5	Write the Application of Searching.	R	C05
5	5	Write an algorithm of Bubble sort and sort the following data using Bubble sort method <ul style="list-style-type: none"><li>65, 77, 5, 25, 32, 45, 99, 83, 69, 81</li><li>12, 10, 45, 8, 19, 25, 27, 20, 44</li><li>U, N, I, V, E, R, S, I, T, Y</li></ul>	R	C05
6	5	Write an algorithm of Selection sort and Sort the following data using Selection sort method <ul style="list-style-type: none"><li>20, 50, 30, 75, 90, 60, 25, 10, 40</li><li>78, 17, 39, 26, 72, 94, 21, 12, 23, 68</li><li>E, D, U, C, A, T, I, O, N</li></ul>	U	C05
7	5	Write an algorithm of Insertion sort and sort the following data using Insertion sort method <ul style="list-style-type: none"><li>12, 10, 45, 8, 19, 25, 27, 20, 44</li><li>20, 50, 30, 75, 90, 60, 25, 10, 40</li><li>A, L, G, O, R, I, T, H, M</li></ul>	U	C05
8	5	Write an algorithm of Merge sort and sort the following data using Merge sort method <ul style="list-style-type: none"><li>12, 31, 25, 8, 32, 17, 40, 42</li><li>6, 5, 3, 11, 10, 4, 7, 9</li></ul>	U	C05
9	5	Write the Application of Sorting	R	C05