Class Test 2

Perform the following sorting algorithms show all steps:

1. Selection sort:
   [42, 18, 27, 5, 33]   (2)

2. Bubble Sort:
   [8, 15, 3, 21, 7]   (2)

3. Insertion Sort:
   [9, 4, 6, 2, 10]   (2)

4. Merge Sort:
   [11, 3, 8, 16, 2, 9, 5, 14]   (2)

5. Explain one advantage of using Merge Sort over Bubble Sort when sorting a large dataset ? (2)