**Question 1**

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Rearrange the below algorithm for Bubble Sort.
Input: A is the list of elements and n is the size of the list
Output: A1, A2,...,An, arranged in increasing order

✔  procedure bubbleSort(A,n)

✔  for i = 0 to n-1

✔  for j = 0 to n-i-1

✔  if A[j] >A[ j+1 ]

✔  swap a[j] <-> A[j+1]

✔  end bubbleSort

**Question 2**

Correct

Mark 1.00 out of 1.00

⚑ Flag question

You have to sort a list 'L' which consists of some sorted elements and few "random" elements. Which of the following sorting methods would be especially suitable for such a task?

Select one:

○ Selection sort

○ Quick sort

○ Bubble sort

◉ Insertion sort ✔

**Question 2**

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Time complexities of three algorithms are given. Which should execute the slowest for large values of N?

Select one:

◉ O(n^2) ✔

○ O(N)

○ O(log N)

○ O(2N)

**Question 4**

Correct

Mark 1.00 out of 1.00

⚑ Flag question

What is the time complexity for executing merge sort on an array of size n which is already sorted is

Select one:

○ O(log n)

○ O(n^2)

○ O(n)

◉ O(n log n) ✔

**Question 5**

Correct

Mark 1.00 out of 1.00

⚑ Flag question

If the given array is {6,2, 5, 1, 9 }, the 3rd number from the left  while doing bubble sort in the 2nd iteration is

5  ✔  .