Question 1

What is the average running time of a quick sort algorithm?

(A) O(N2)

(B) O(N)

(C) O(N log N)

(D) O(log N)

Question 2

What is the worst case time complexity of a quick sort algorithm?

(A) O(N)

(B) O(N log N)

(C) O(N2)

(D) O(log N)

Question 3

The best case behaviour occurs for quick sort is, if partition splits the array of size n into _____

A n/2 : (n/2) – 1

B n/2 : n/3

C n/4 : 3n/2

D n/4 : 3n/4

Question 4

Quick sort is best choice if the number of elements to be sorted is very large.

T True

F False

Question 5

Quick sort is a stable sorting algorithm.

T True

F False