Dashboard / My courses / CS1002: MAR-JUN 2021 / Week 13 / Assignments/Short_Quiz - Part B

Started on	Saturday, 10 July 2021, 4:50 PM
State	Finished
Completed on	Saturday, 10 July 2021, 5:20 PM
Time taken	30 mins

Question **1**

Complete

Marked out of 3.00

Which of the following is the result of the selection sort after 4 passes on the following list of numbers. 89, 45, 68, 90, 29, 34, 17

○ 17, 29, 34, 90, 68, 45, 89

◉ 17, 29, 34, 45, 90, 68, 89

○ 17, 29, 34, 68, 45, 90, 89

○ 17, 29, 34, 90, 45, 68, 89

○ None of the other options are correct

Question **2**

Complete

Marked out of 3.00

Consider the following sorted linear array
100, 105, 120, 125, 130, 140, 150
Element 120 needs to be searched using binary search. What will be the value of LOW, MID, and HIGH after two iterations?

○ 0,2, 1

○ 0,7,3

◉ 0,1,2

○ None of the other options are correct

○ 0,4,2

○ 2,2,2

Question **3**

Complete

Marked out of 0.50

Which of the following tree traversal visits root node at last?

○ preorder

○ circular order

◉ postorder

○ inorder

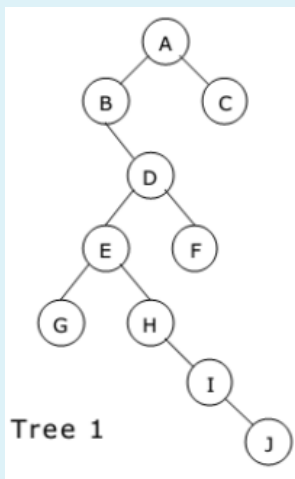Question **4**

Complete

Marked out of 3.00

The inorder and preorder traversal of a binary tree are a c b e f d and a b c d e f respectively. The postorder traversal of the binary tree is
_____.

○ d e b f c a

○ e d b f c a

○ e d b f c a

○ d e f b c a

◉ c f e d b a

○ None of the other options are correct

Question **5**

Complete

Marked out of 2.00

Tree 1

Which of the following is the correct list of all the non-leaf nodes for the tree shown above.

○ {G,J,F,C}

○ {A,B,D,E,F,H,I}

○ {A,B,C,D,E,H,I}

○ {A,B,C,D,E,F,H,I}

○ None of the other options are correct

◉ {A,B,D,E,H,I}

Question **6**

Complete

Marked out of 2.00

Suppose you have given a string "RGQRNG". You need to sort this string alphabetically using "selection sort". Find the number of comparisons would take place to sort this string alphabetically.

○ None of the other options are correct

○ 10

○ 13

○ 6

○ 5

◉ 15

○ 12

Question **7**

Complete

Marked out of 1.50

Given an array arr = {5,6,77,88,99} and key = 88. How many iterations are done until the element is found using linear search?

○ 1

○ 2

○ None of the other options are correct

○ 3

◉ 4

◄ Lecture-28

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