Started on	Monday, 23 March 2020, 11:44 PM
State	Finished
Completed on	Monday, 23 March 2020, 11:51 PM
Time taken	6 mins 45 secs
Marks	6.00/6.00
Grade	**100.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Which of the following is a mathematical-model with a collection of operations defined on that model and their implementations are hidden?

Select one:
- ○ Primitive Data Type
- ● Abstract Data Type ✔
- ○ Algorithm
- ○ Data Structure

Your answer is correct.

The correct answer is: Abstract Data Type

Question 2

Correct

Mark 1.00 out of 1.00

⚑ Flag question

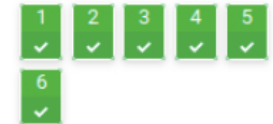The post fix form of the expression (A+ B)*(C*D- E)*F / G is?

Select one:
- ○ AB + CD* E − *F *G /
- ○ AB + CD* E − F **G /
- ● AB+ CD*E − FG /** ✔
- ○ AB + CDE * − * F *G /

Your answer is correct.

The correct answer is: AB+ CD*E − FG /**

Question

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Consider the usual algorithm for determining whether a sequence of parentheses is balanced. What is the maximum number of parentheses that will appear on the stack AT ANY ONE TIME when the algorithm analyzes: (()(())(()))

Select one:

○ 1

○ 4

◉ 3 ✔

○ 2

Your answer is correct.

The correct answer is: 3

Question 4

Correct

Mark 1.00 out of 1.00

⚑ Flag question

The process of accessing data stored in a serial access memory is similar to manipulating data on a particular data structure. Which is that data structure?

Select one:

○ Heap

◉ Stack ✔

○ Queue

○ Binary tree

Your answer is correct.

The correct answer is: Stack

Question 5

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Which of the following data structure is better for storing the sorted data on which often insert and deletion operations are performed?

Select one:

○ Array

◉ Linked list ✔

○ Queue

○ Doubly linked-list

Your answer is correct.

The correct answer is: Linked list

Question 6

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Let the following queue can accommodate maximum six elements with the following data:

front = 2; rear = 4;

queue = __ , __ , L, M, N, __ ;

What will happen after an enqueue operation takes place?

Select one:

- ⦿ front = 2 rear = 5
  queue = __ __ , L, M, N, O ✔

- ○ front = 3 rear = 5
  queue = L, M, N, O, __ , __

- ○ front = 2 rear = 4
  queue = L, M, N, O, __ ,__

- ○ front = 3 rear = 4
  queue = __ ,__ ,L, M, N, O, __

Your answer is correct.

The correct answer is: front = 2 rear = 5
queue = __ __ , L, M, N, O

Finish review