Started on	Saturday, 10 July 2021, 4:05 PM
State	Finished
Completed on	Saturday, 10 July 2021, 4:35 PM
Time taken	30 mins 1 sec

Question **1**
Complete
Marked out of 3.00

The postfix expression **8 2 3 ^ / 2 3 * + 5 1 + -** with single-digit operands is evaluated using a stack. Note that ^ is the exponentiation operator. The value at the top of the stack after the evaluation of the first + operation is:

- 5
- 1
- 7
- None of the other options are correct
- 6
- 8

Question **2**
Complete
Marked out of 1.00

In a queue, insertion is done at _____ end.

- None of the other options are correct
- Back
- Top
- Front
- Rear

Question **3**

Complete

Marked out of 2.00

```
void fun1(struct node* head)
{
      if(head == NULL)
      {
            return;
      }
      printf("%d", head->data);
      fun1(head->next);
}
```

What does the above function do for a given linked list with the first node as the head?

- (●) Prints all the nodes in the linked list from the head to the last node
- ( ) Prints all nodes in odd position in the linked list from the last node to the head
- ( ) Prints all nodes in odd position in the linked list from the head to the last node
- ( ) Prints all the nodes in the linked list from the last node to the head
- ( ) None of the other options are correct

Question **4**

Complete

Marked out of 2.00

Consider the following operations performed on a stack of size 2 :

Push (a); Pop() ; Push(b); Push(c); Push(d); Pop(); Pop(); Push (e) ; Pop();

Which of the following statement is correct?

- ( ) Stack operations are performed smoothly
- ( ) Underflow occurs
- ( ) None of the other options are correct
- (●) Overflow occurs

Question **5**

Complete

Marked out of 3.00

Consider a circular queue with maximum capacity of 7 having locations 0 to 6. Suppose the operations were performed in this order: Enqueue 'A', Enqueue 'E', Enqueue 'I', Enqueue 'O', Enqueue 'U', Dequeue, Dequeue, Dequeue, Enqueue 'T', Enqueue 'A', Enqueue 'E'. What are the values of front and rear indices?

- front=2, rear=0
- front=5, rear=2
- front=2, rear=5
- front=0, rear=3
- None of the other options are correct

Question **6**

Complete

Marked out of 3.00

Consider a circular queue of size 7 with locations 0 to 6. If the front is at location 6 and the rear is at 5. If an element is dequeued, at what location will front point to and how many elements are there in the circular queue

- None of the other options are correct
- Front points at location 5 and there will be 1 elements in the circular queue
- Front points at location 0 and there will be 1 elements in the circular queue
- Front points at location 5 and there will be 6 elements in the circular queue
- Front points at location 0 and there will be 6 elements in the circular queue

Question **7**

Complete

Marked out of 1.00

Reverse polish notation is the other name of _____.

- Algebraic Expresson
- Prefix expression
- None of the other options are correct
- Infix expression
- Postfix expression

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