

If a full binary tree has the 31 nodes then find the height of the full binary tree?

Select one:

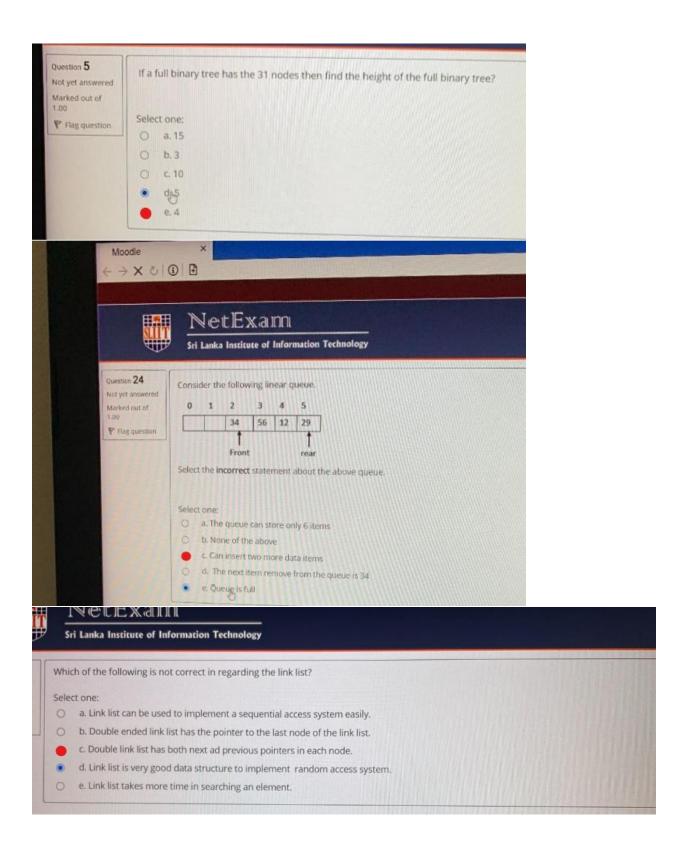
a. 10

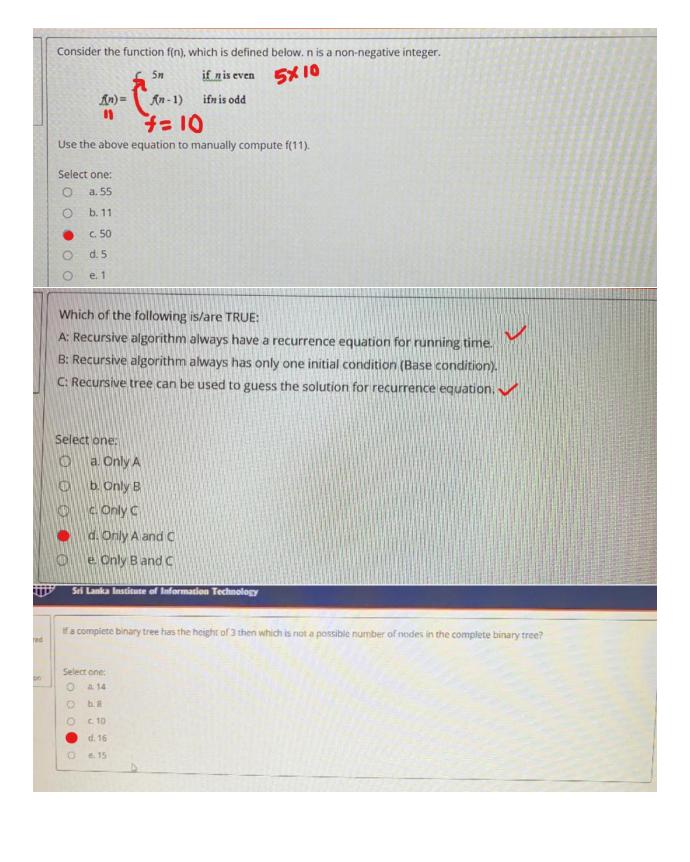
(a) b.3

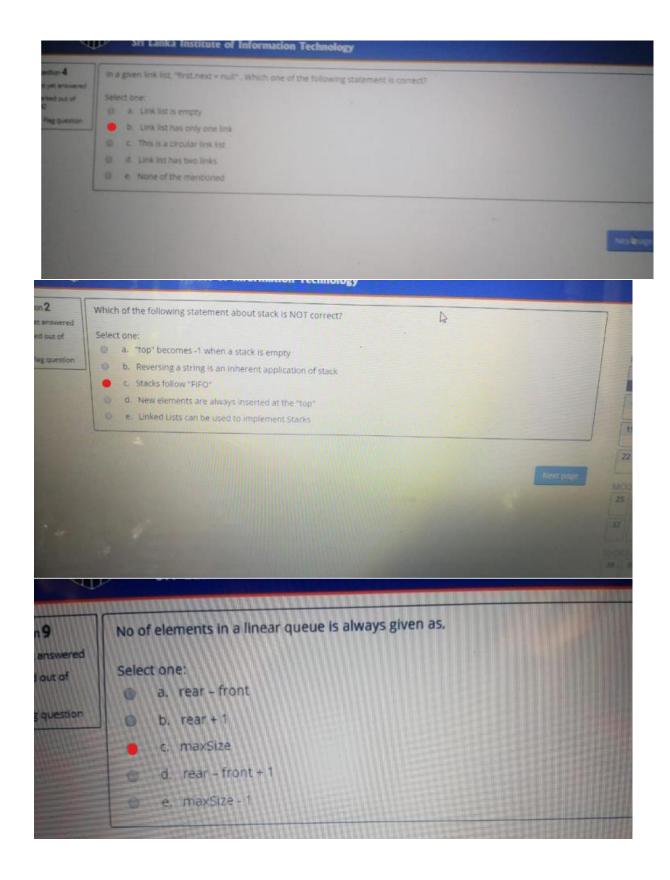
c. 4

d F

e 15







```
Which of the following statement about stack is NOT correct?

Select one:

a. "top" becomes -1 when a stack is empty

b. New elements are always inserted at the "top"

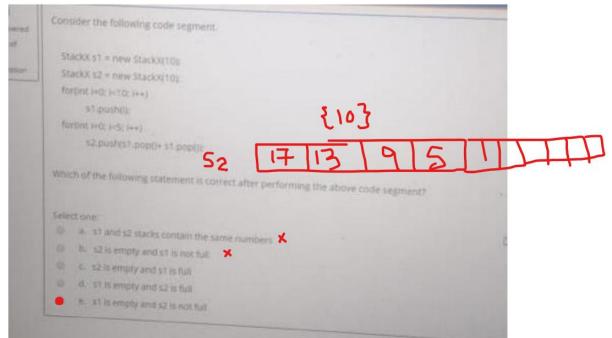
c. Reversing a string is an inherent application of stack

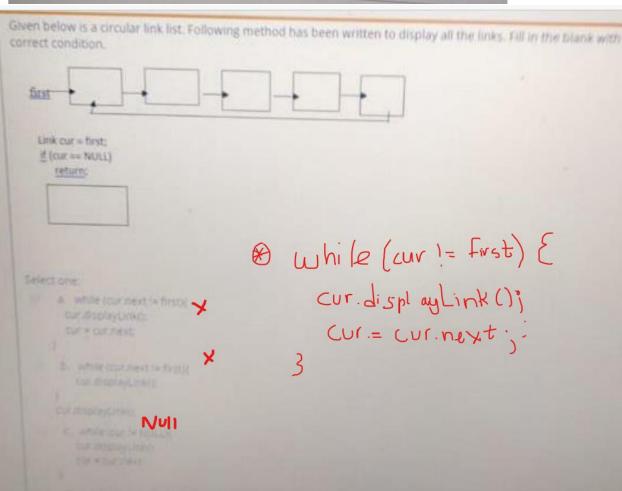
d. Stacks follow "FIFO or e. Linked Lists can be used to implement Stacks
```

```
Consider the below method of a linear queue data structure. What can be the method "XX"?

public int XX() {
    if (nitems == 0) {
        System.out.println("Queue is empty"):
        return -99;
    }
    else {
        nitems--;
        return queArray[front++]:
    }
}

Select one:
    a. delete()
    b. remove()
    c. insert()
    d. peekFront()
    e. push()
```





```
Consider the below method of a linear queue data structure. What can be the method "XX"?

public int XX() {
    if (nitems == 0) {
        System.out.println("Queue is empty");
        return -99;
    }
    else {
        nitems--:
        return queArray(front++);
    }
}

Select one:
    a _peekFront()
    b. insert()
    c _push()
    d. remove()
    d. delete()
```

```
Insert the following values to a binary search tree and find the successor if node 88 is deleted.

68 . 88 . 90 . 70 . 32 , 38 . 69 , 89 , 92

Select one:

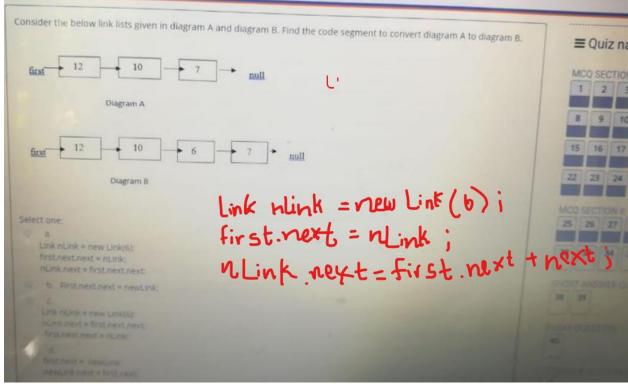
a. 89

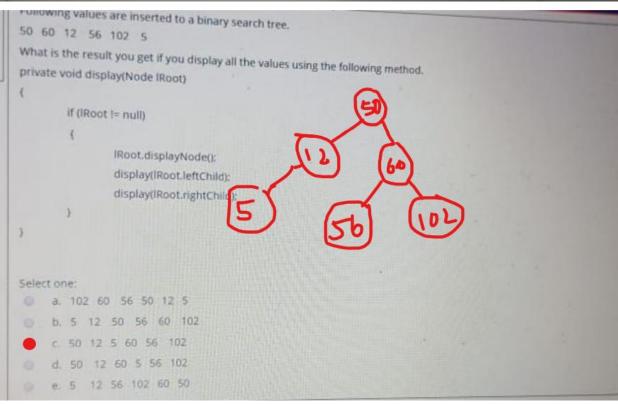
b. 68

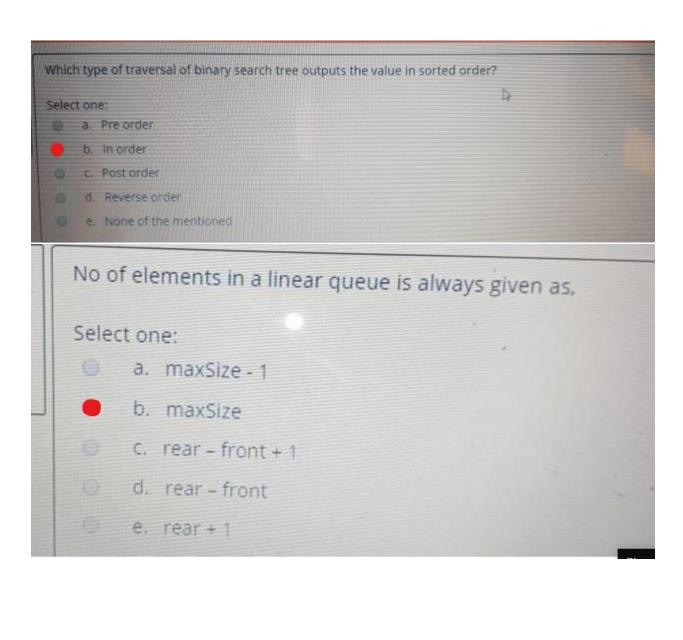
c. 92

d. 69

e. 90
```







```
consider the below method of a linear queue data structure. What can be the method "XX"?

public int XX() {

If (nitems == 0) {

System.out.println("Queue is empty");

return -99;

}

else {

return queArray(front);

}

Select one:

a. peek.Pront()

b. remove()

c. delete()

d. (nsert())

e. pop()
```



## Online Exams

Sri Lanka Institute of Information Technology

Find the correct statement regarding "rear = maxsize -1"

## Select one:

- a. It is used to find whether a linear queue is full.
- b. It is used to find whether a circular queue is full
- C. It is used to find whether a linear queue is empty
- Ø d It is used to find whether a circular queue is empty
- @ e. Above a) and b) both are correct

