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1NT21IS031

UNIT-1 Mcqs

1. Which principle does stack follow?

a.LIFO

b.FIFO

c.SIFO

ans: (a)LIFO

2.Which operation is used to insert an element into the stack?

a. PUSH

b.POP

c.PEEK

ans:(a)PUSH

3.To remove an element from an empty stack is called:

a.Overflow

b.Pop

c.underflow

ans:(c) underflow

4.Which of the following is not an application of stack?

a.Tower of Hannoi

b.compiler syntax analyzer

c.Data transfer between two asynchronous process

ans: (c) Data transfer between two asynchronous process

5.What is the result of the following expression? Top(push(A,B))

a. B

b.Null

c.A

ans:B

6.What will happen when an operator of lower priority than the top enters the stack?

a. pop and print the top operator

b.Just push the incoming operator

c.Both operands are deleted

ans: (a)

7.The postfix form of the expression a+b\*c+(d\*e) is:

a. abc+d\*e++

b. ab+d\*+e+

c. abc\*de\*+

ans: (c)

8.The value of the expression 10 5 + 60 6/\*8- is:

a. 16

b.10

c.142

ans: c) 142

9.Binary search can be implemented only for:

a.Unsorted elements

b.Sorted elements

c.both a and b

ans: (b)

10. What does the peek() operation do?

a. Returns the top element of the stack

b.Returns a NULL char

c. Displays the elements of the stack.

Ans: (a)