

Subject- IT

Class-12

Topic- Stack

[B] Short Answer questions

Q.1 Write a short note on Stack.

Q.2 What are the two ways to implement Stack?

Q.3 Name all five operations performed on Stack.

Q.4 Write an algorithm that can check whether the Stack is overflow or not.

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Q.5 How pointer implemented Stack can be created? Also write structure that do so.

Q.6 What do you mean by Polish Notation?

Q.7 What are the ways to represent arithmetic expression? Write name with example.

Q.8 Convert the equation  $7+3*5+2/3$  into Prefix.

Q.9 Convert the equation  $A-B*C/D+E$  into Postfix.

Q.10 Write a short note on data structure Queue.

Q.11 Name all the operations performed in queue.

Q.12 Draw diagrams to show the process to insert 5 elements in a queue.

Q.13 Describe the process of PUSH in an array implemented Stack.

Q.14 Describe the process of Deletion in an array implemented Queue.

Q.15 How can we check that a pointer implemented queue is empty and overflow?