# DS DAYWISE QUIZ MCQs:

Q. Which of the following statement is false about DLLL?
A. This type of linked list can be traverse in forward as well backward direction.
B. Element can be added into this list at last position in O(1) time.
C. Element can be deleted from this list which is first position takes O(1) time.
D. Previous node of any node can be accessed.
**Answer: B**

Q. Which of the following is false about DCLL?
A. Traversal can be start from either first node or last node
B. Addition and Deletion operations can be performed in O(1) time.
C. Searching can be done in O(log n) time.
D. DCLL can be traverse in both forward and backward direction.
**Answer: C**

Q. Which of the following data structure is used to implement depth first traversal algorithm?
A. Array
B. Linked List
C. Stack
D. Queue
**Answer: C**

Q. Which of the following is not a valid operation on stack?
A. Push
B. Peek
C. Pop
D. Top
**Answer: D**

Q. What is the condition to check stack is full or not in a dynamic stack?
A. top == SIZE
B. top == SIZE-1
C. top == NULL
D. None of the above
**Answer: D**

Q. Stack data structure works in _____ manner.
A. First In First Out
B. First In Last Out
C. Last In First Out
D. Both options 1 and 3
E. Both options 2 and 3
**Answer: C**

Q. Stack can be implemented by using _____.
A. Linked List
B. Array
C. Both options 1 and 2
D. None of the above
**Answer: C**

Q. Which of the following functions can be used to implement dynamic stack functionalities push( ) & pop( )?
A. add_last( ) & delete_first( )
B. add_first( ) & delete_last( )
C. add_first( ) & delete_first( )
D. None of the above
**Answer: C**

Q. Convert given infix expression into its equivalent postfix expression: Infix expression is: (A*B)*(C/D)+E*F-G*H
A. AB*CD/EF**+GH*-
B. AB*CD/*EF*+GH*-
C. ABCD*/*EF*+GH*-
D. AB*CD/*EF*GH+*-
**Answer: B**

Q. Convert given prefix expression into its equivalent postfix: - + * / * a b c d / e f * h g
A. ab*c/d*ef/+h*g-
B. ab*c/d*ef/+hg*-
C. abc*/d*ef/+hg*-
D. ab*cd/*ef/+hg*-
**Answer: B**