

CBSE NET January 2017 PAPER II

DATA STRUCTURE

Q. The seven elements A, B, C, D, E, F and G are pushed onto a stack in reverse order, i.e., starting from G. The stack is popped five times and each element is inserted into a queue. Two elements are deleted from the queue and pushed back onto the stack. Now, one element is popped from the stack. The popped item is

- (A) A
- (B) B
- (C) F
- (D) G

Ans :- (B)

Explanation:-

Push GFEDCBA

A

B

C

D

E

F

G

Pop 5 times and pop elements are queued EDCBA

F

G

2 elements deleted from queue, EDC, and pop in to stack

B

A

F

G

1 element pop from stack. *That is B*

A

F

G

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