

Assignment -

1) DFS

Output - A, B, E, J, D, I, C, F, G

Working -

Stack

[A]

[B
A][E
B
A][J
E
B
A] → pop J[E
B
A]

- pop E

[B
A]

- pop B

~~A~~ ~~pop A~~

[A] - pop A

[C]

[F
C]

- pop f

[C] - pop c

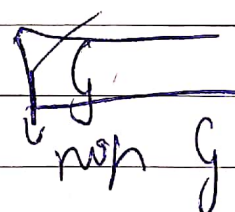
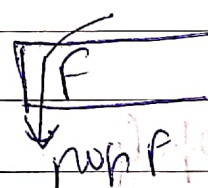
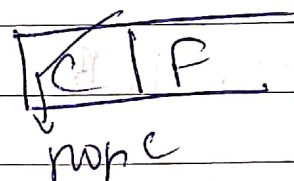
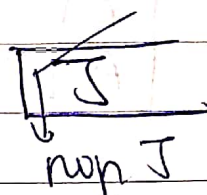
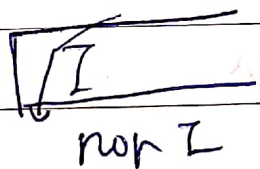
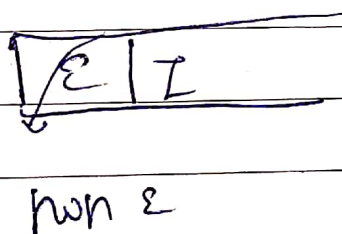
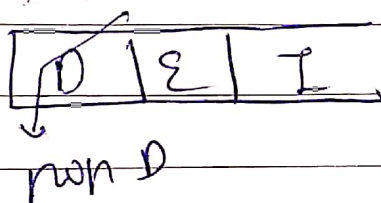
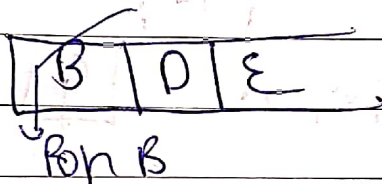
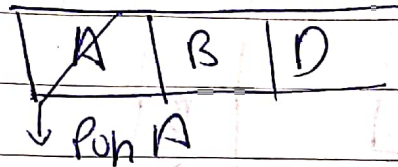
[G] - pop g

BFS -

Output : A, B, D, E, I, J, C, F, G

Working

Queue



Q2). DFS -

Output - A, B, C, E, D, F, G, H

Working Stack

[A]

[B
A]

[C
B
A]

[E] → pop E
[C
B
A]

[C] → pop C
[B
A]

[B] → pop B
[A]

[A] → pop A

[G]

[H] → pop H
[G]

[G] → pop G

BFS

Output - A, B, C, D, E, F, G, H

Working Queue

[A B C D]

pop A

~~BE~~ [B C D E]

pop B

Date: _____

Page: _____

C D E F

non C

D E F

non D

E F

non E

F

non F

G H

non G

H

non H