Depth First Sevel. Depth First Search (DFS) to traverse a grouph Algorithm: Step 1: Stock Styp 2: Intialize an enpty set stack Stys: Push the starting will out start. Step 4: If stock! = Rupty Repeat sates 544. Step 5. Pop the Stock. Step 6: Paint the popped mode-Step 7: For such es for adjacent unvisitel Step 8, Make the neighborne visited. Step q: Push the unisited node. Styp 10: Repeat entil all nodes ar visited. Step 11: Stop.

YOUVA dy o C g, o). Colores : 0 V= Steel set C) while s: n= 3- papcs if hode not visited:

pent (node, end = "")

visited odd (node) neighbor i groß g (node)

if nighbor not i visitet:

b. append (neighborn) A' = ['B', C'] 'C' . ['F'] ("DFS francisch Sterling

Page No.: