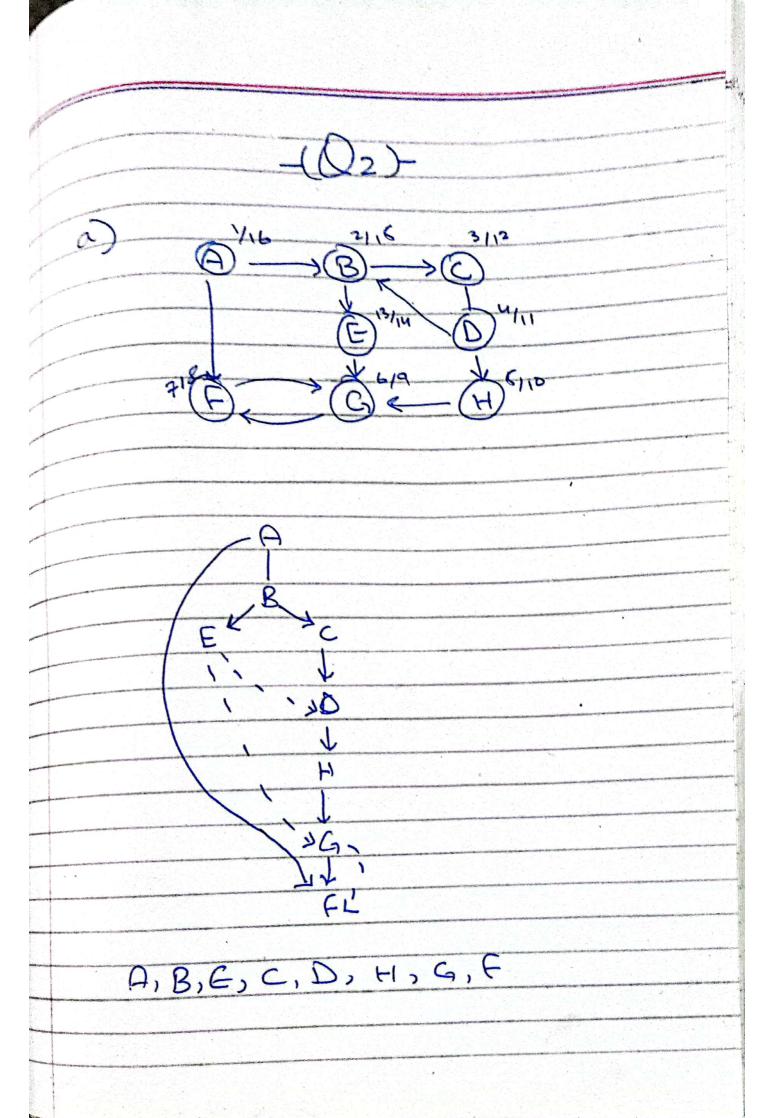
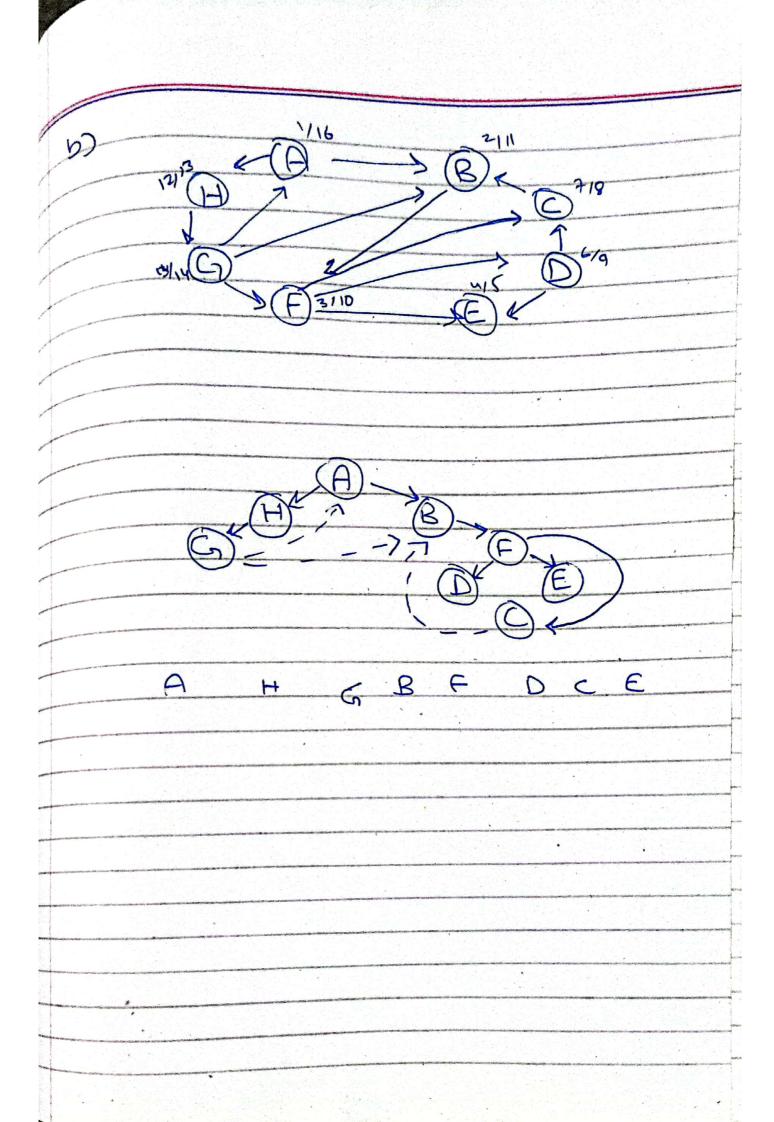
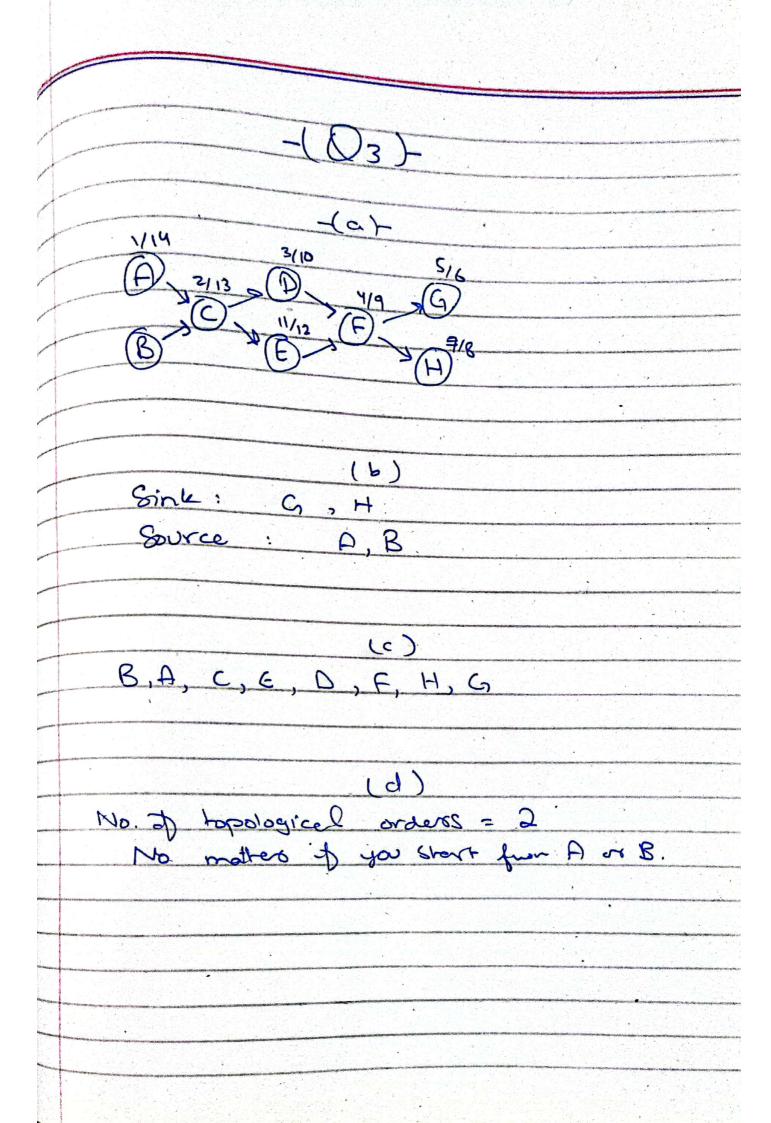
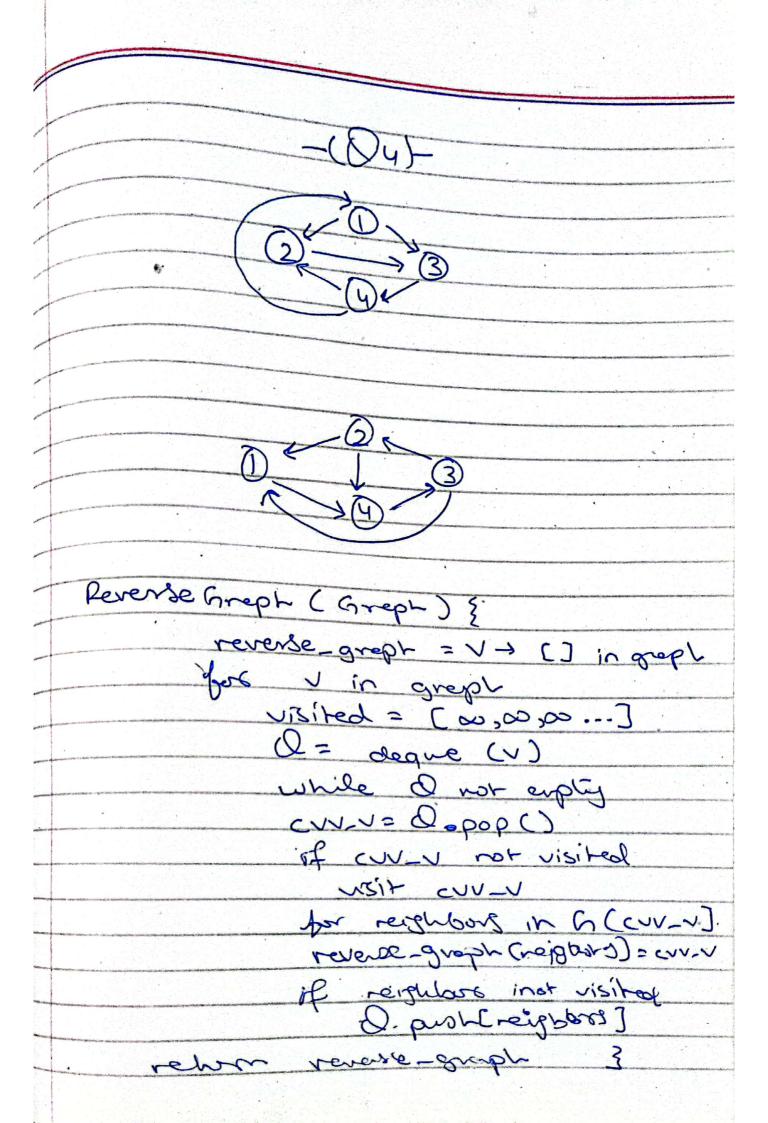
1-5625 H8igness 5 1- I,G,D 4- C, E . E . A



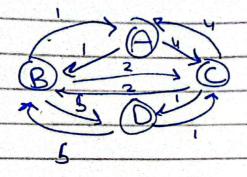






-(Qs)-

(a) It is false. Dijkstra's Sharlest Path algo takes O (In log In 1) hime. It can also hake O(In12) or Korchet grept bekouse the opoph becomes unbelonced.



Owntest para from

0

A : B = L

A: C =

Sp Karchaff (G, 15,R)	while I not enoty
for vinv:	U = Q. pop (D)
$\mathcal{L}\mathcal{C}\mathcal{V}$ = 0	856 vin (200)
dCS7 =0	Il non distance
Q. (queue)	; & a(U) + w(U, V) < d(V)
Deputy (S)	d(v)= d(v)+ w(v,v)
Committee and the committee of the commi	그림 그는 전에 가장 마시 아버지는 얼마를 가지 않는데 그 아름이 있는데

if w not visited Q. push (v) revon a We assure all rades are visited (26) We will u se Dikistro's Ago that takes O(IVI+ IE] Ig IVI) time Dijkstra (Graph, Start) distance (n) = [00,00,00 ...] distance (start) =0 porcut (Stent) = 0 pg. plush (Stant) while pg is not ouply cythadistances cook-node= pappepp() cos_distacts dist (coor node] 11do nothing for neighbor, meight in graph (cros-rade) dist = cres-distance + melght. of distance < distance (reighbour) district neighbor] = workbase distance

prob [respond] = cer-note

constrict pat (parect) +) while to it not mell. patt. Insert (0,6) parant (t) patr.