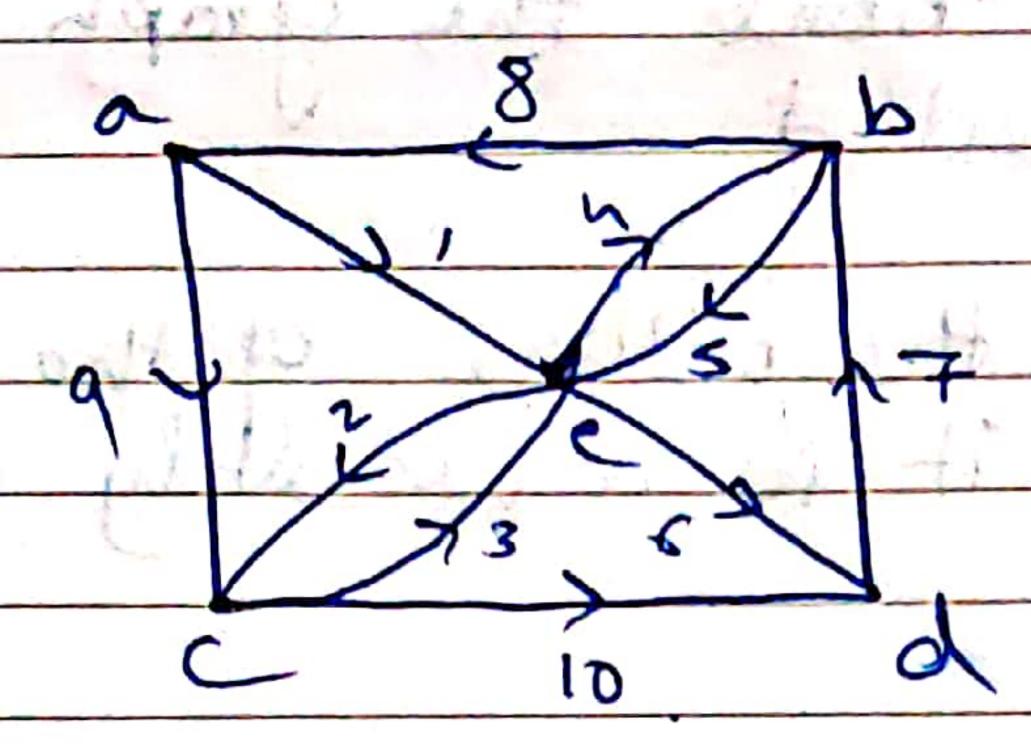


(b) in this graph, a se d. have odd degrees thus, no culer circuit can exist.

but the culer path can be fraced as follows.



a se s c s e s d s b s a s c s d

3. (a) shortest path between cless.

the shortest path between clef

is (->d-> F

i.e. 3+5=8

(b) shortest path between be 2 is

i-c. 5+1+5+4=15

	Page No Date:
4	The given graph is not planar as
	a & k3,3 graph can be joinned with
	Ea,d,F3 and Sb,c,e3