	Date Page No.
Q6)	of G then vis not a cut vertex.
	no statement is fulse as he can construct a graph or where a vertex V lies on a yell but removing it will clearly make the graph distance.
	Let & be: -
	Men the vertix V lies on Cy and after removing it we get: -
	G- V
	pris is clearly dis connected, hence y was a cut vertex and on the statement above is false.

(d	Eyon vertex of a graph is does not lie on any ayou of graph is, then you is a cut vertex.
	aych of graph or, then you is a cut vertex.
	that a veltex v in G is not a cut vertex
	that a veltex v in G is not a cut with
	and lies on no yde.
la di	
	De unsove v from a de orrain G-V
	and as v is not a cut vertex, the graph
	a-y will be connected. This would im hily
	that 2 vertices u, w that were this ti ally
	borneted in G utw ale to and through
	V are now still connected which see freuens
	some other path enists as well between pt - w
	This in his that the eath u two was through a
	This implies that the fath ut w you through a come of when the V forms a cade,
	which is a contradiction => =
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	Tige 70.
	a la de hus more
C	A tou of order 3 more his more
	out-verties than low voices.
	This 6 Julie
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i in a second	The asae tru g order 3 pars one put vertices.
	with x but only 2 and with ces.
	Van / way
	Hence cut extices < End Vintias
	· (0.70= 0.10 A0
	The statement is julye.
	The state of the s
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