	MCA Sem II Minor retest	Max Marks:	MCA-2	102 DM
Q1.	The number of connected components in a connected graph is	(1)	,	
Q2.	The vertex connectivity of a disconnected graph is	(1)	hannina	verters.
Q3	How many spanning subgraphs of a graph G are also vertex induced? Explain. 1	(2) 7	ubgraph	Induced Heribana
Q4.	Argue that the shortest walk between two vertices is a path. The Remove yello	o. (3)	frozen -	no flex
Q5.	G=(V,E) is a simple graph. Show that $2 E \le V^2 - V $.	(3)	be droped	, j
Q6.	How many perfect matchings are there in a complete graph of 6 vertices?	(3)	,	
Q7.	How many edges would the complement of a complete bipartite graph K _{m,n} have? n Edges + 4	n Eigo (3)		
Q8.	A relation R is defined on the set of integers as xRy iff (x+y) is even. Is R an equivalence relat	in Kn tion?		
	If yes, how many equivalence classes does it have? \mathscr{A}	(4)		