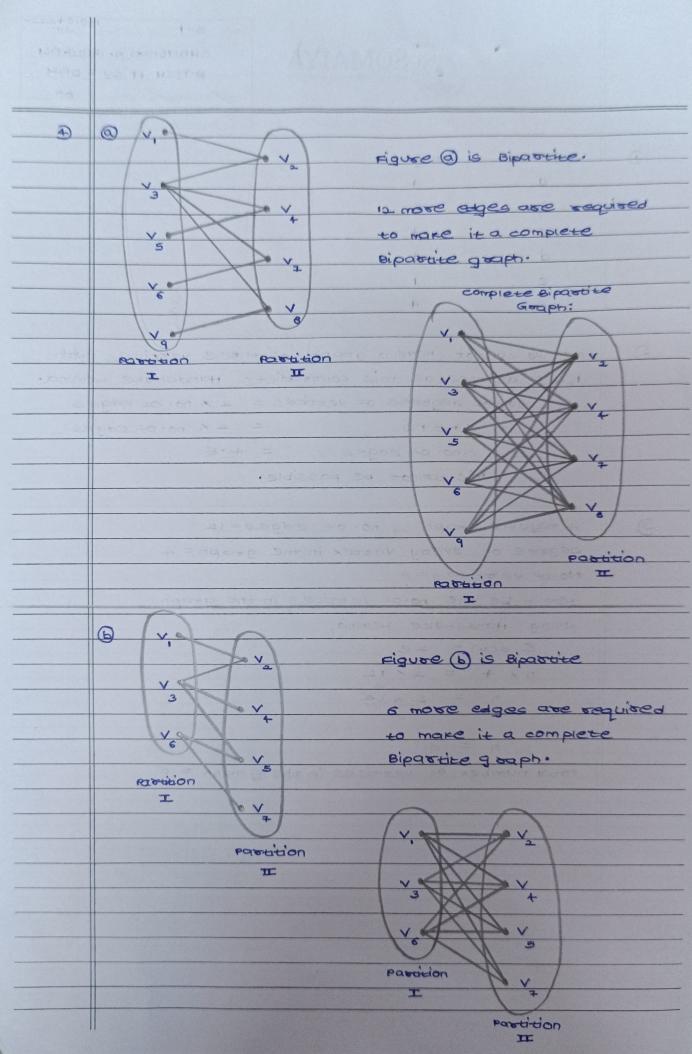


Batch: 8-1 Roll No.: 34
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	The state of the s		
D	vertex degree		
	a 4		
b) or	b 71 at		
	concentrated and		
	demand and the		
	e		
	100 pg (6 0 p) q (7 p) q		
	D D		
3	NO. We call bank a series		
	NO. We cannot have a graph of three vertices with		
	1, 3, 5 degrees as this controdicts Handshake Lemma.		
	Sum or degrees of vertices = 2 x no. or edges		
	1+3+5 = 2 × no. or edges		
	:.no. of edges = 4.5		
	This connot be possible.		
3)	4 750.110		
9	4 regular graph , no. of edges=12		
	Degace of every vertex in the graph = 4		
	No of vertices = p		
Let a be the no. of vertices in the graph			
	using Handshake Lemma,		
	E dcv) = 2e		
	$0 \times 4 = 2 \times 12$		
2000	n = 2 x tx		
	3 Common Da Sapar Co		
	0 = 6		
	Total number of vertices in the graph = 6		
	· ·		





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Experiment / assignment / tutorial No. 08

Grade: Signature of the Faculty with date

		rade.	Signature	e of the Faculty	Willi date			
5								
	No or vestices in set I = 3 (Gup	pase	A.C.	E)				
X Sub Front	NO OF VENTICES in Set IT = 4 Coup	pose	B, D,	F, H)				
14575 5								
	SC+ I get	TE						
	В	1						
	A A			.0				
	F							
	F							
+ 0 9 4	Н	1						
	is, a							
evion	se covered, not expected and this c		G.	<b>→</b>	G			
3	a) Grouph 1 Grouph 2	diperty.	Charles &	<b>→</b>	a			
	· a vertices · a vertices		2	->	c			
	• 10 edges • 10 edges		3	<b>→</b>	Ь			
70.98	. 4 (2 deg 500) . 4 (2 degree)		4	<b>→</b>	d			
	vertices vertices		5	<b>→</b>	e			
100001	· + (3 degree) · 4 (3 degree)		6	<b>→</b>	9			
	vertices vertices		7	→ <u>-</u>	<b>P</b>			
			8	→ ·	1			
	There exists a bijective function							
	and Grouph 2. No. of vertices, no							
	of vestex as both the graphs		TOGI. TI	he & ero	26			
	both the graphs are isomorphic.							
	b) Grouph 1 Grouph 2	Gu	<b>→</b>	લ				
	· svertices · 5 vertices	,	+	6				
	· edges · edges	2	<b>→</b>	c				
	· 4 (3 degree) · 4 (3 degree)	3	<b>→</b>	9				
	vertices vertices	+	->	e				
	· 1(4 degree) · 1(4 degree)	5	<b>→</b>	a				
	vestex vestex	**						

mere exists a bijective function between Graph I and Graph 2. NO. OF Vertices, moof edges, degree of vertex or both the graphs are apply Theserose, both the graphs are isomorphic. all vestices of the graph are of even degree. Hence, the graph is sule sian. The oulesian total iscae be ce de ee fe de be f All edges are covered, not repeated and the everian graph (trail) starts and ends with the same vertex 4 vertices of the graphase of odd degree. Hence, the graph is not Eulerian.