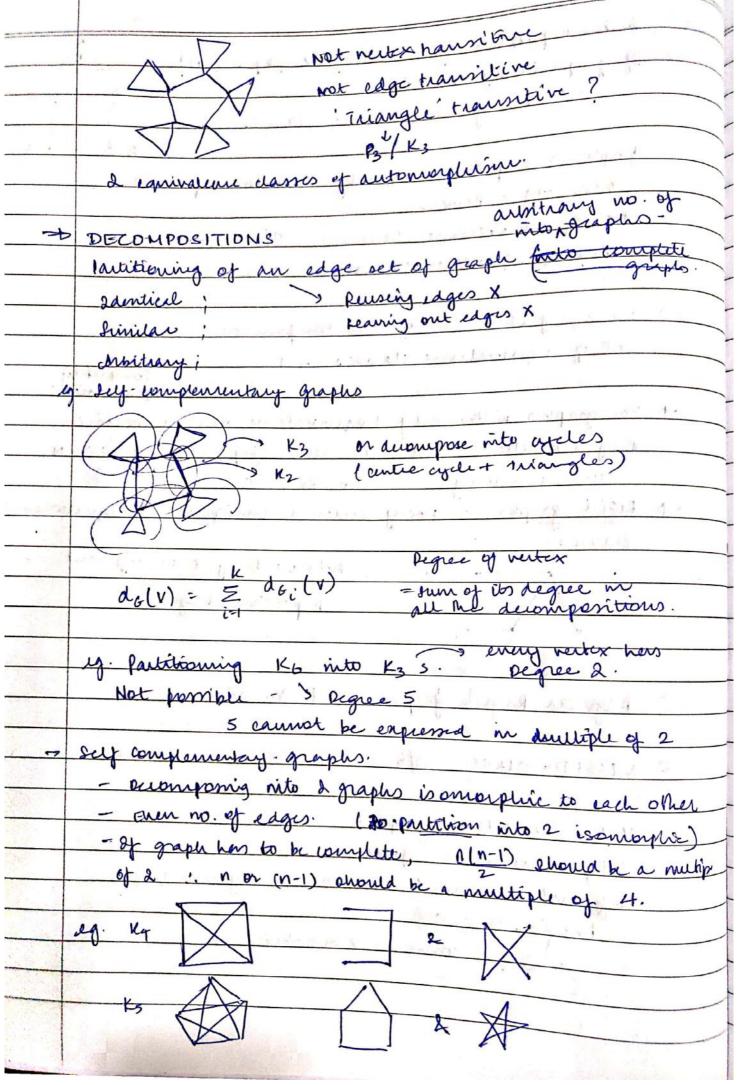
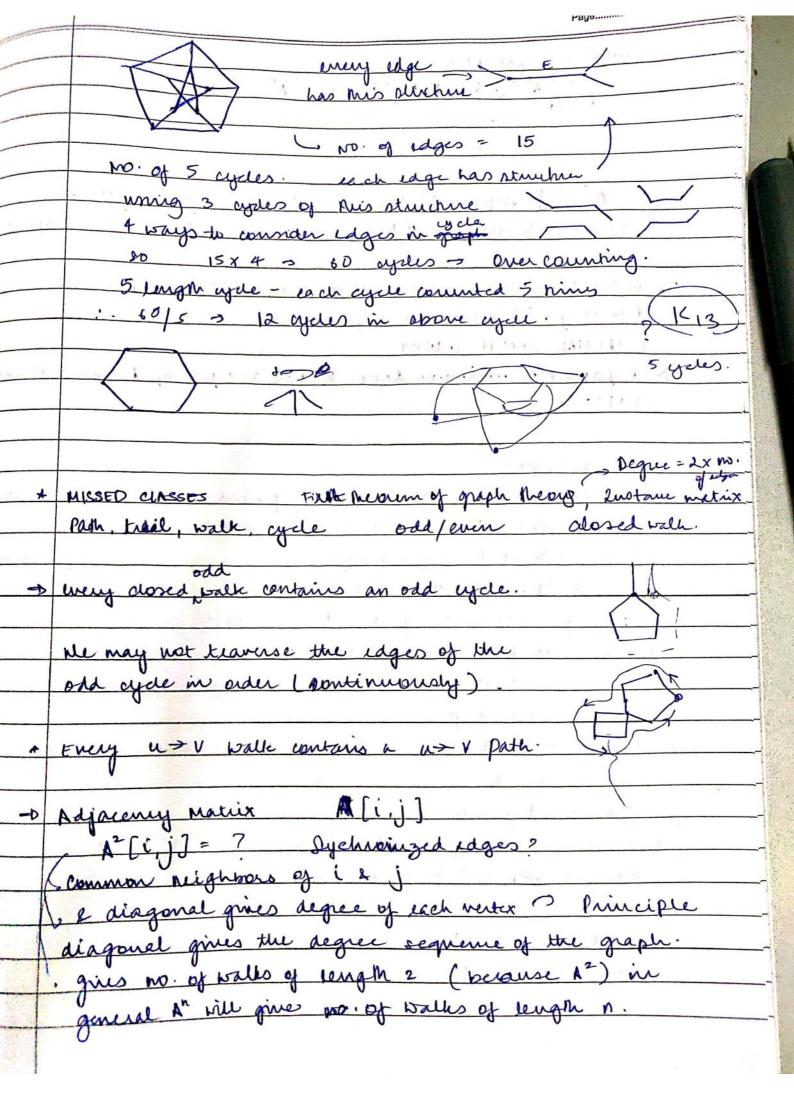
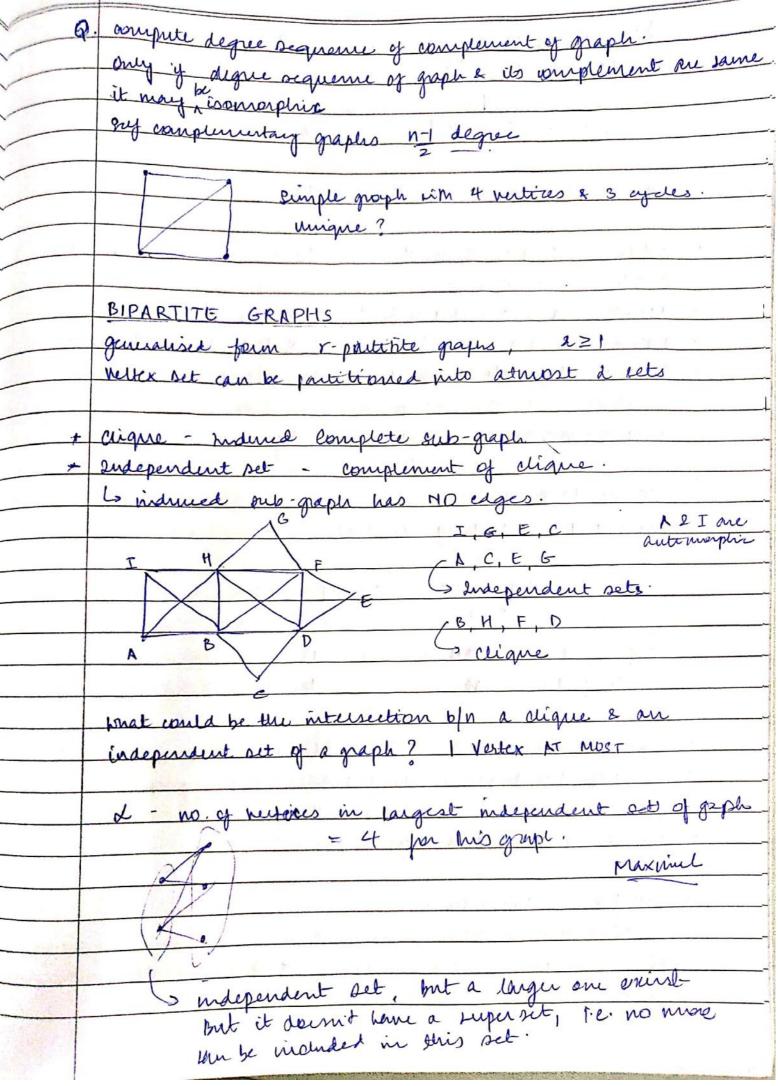


	Date
	Page
->	of graph is bymanation
->	
	No of equivalence classes -1
	D to c
	gaple is a fath - Exactly 2 automorphisms
	1
	no of equivalence dams - 1/2.
	dize of equivalence daspes - 2
	A second
	Bor a cycle - no of automorphisms = 2 n
	Jewaleme classes -1
	Dynnictrie &
=>	For graphs with only I agriculem class of neitices.
	size N.
	(rugh Flexibility) Kn. Kn. Cn. Cn. On On.
4	more graphs - Every vectors is unique N equivalence
	dans.
	3 pistance to cycle is different.
	Repetitive organis.
	2 3
	Allegation and the state of the
7	Regular Rigid Garph - 12 neuroses
	the state of the s
*	MISSED CLASS 19/8
	The system is the lower than the second
	Vertex Transitive graphs.
13.15	Edge Transitive graphs.
	Different 1 Extended notions of symmetry.
1	PREJearent grop.
-	migne common reighborg





	Prove my anduchon. \[\sum_{k=1} \left[i,k] \cdot \left[i,j] = A^t [i,j] = A^t [i,j] \] 1 \(\text{1} \) 1 \(\text{k} \) \[\text{n} \]
	\[\lambda^{\frac{1}{2} \interpretection \lambda \lamb
	15ken
	length t-1
	length t-1
	: At [i, 1] represents the no of walks of my directed graph)
	between i and i Ipom i to i mase of
	ength t-1 : At [i,]1 represents the no. of walks of length t between i and j (from i to j weaks of directed graph)
	votex transitive graph, out vertex, maximal path etc.
	Fath leigh > minimum degree
	There is a second in
	EXTREMAL GRAPH THEORY
_=	A graph with minimum degree k has a cycle of length attent
	(k+1).
	Decompositions
11 2 4	Enlerian Trails no edges are repeated & all edges of graph
2	should be covered & must be a closed trail.
	(pronigsberg Bridge problem). printiail
	ic. a dosed spanning trail. degree is odd
N	degree of any other point of a closed trail is always even,
	degree of any other mont of a trial is
	I do This case de area of western in the it
1	(in this case degree of vertex in trail may not be equal to its
	depec in the gaph)
	out per unevan trail (since it is spanning), degree
	must be land. onen.
10	Ih old degree newsces - 1k rounds
- d	Pueme of odd degree verter portido enterian trail.
	In the graph ust be connected ??
	Neumap / cuppoient wordilitors
	Frenz vestex is Even elegen
	all may hope - trained a
(4)	Only one hon-tourist component.
	The state of the s
The second second second	



and the same of the same	
	11- 1:
No. of Concession, Name of Street, or other Desires, Name of Street, or other Desires, Name of Street, Original Street, Origi	W - Dize of largest digne = $\frac{1}{2}$ $\left[\mathcal{L}(G) = \mathcal{W}(G') \right]$
-	$\chi(G) = \omega(G')$
	NAW EI
,	$\alpha + \omega \leq n + 1$
	ig complète graph d=n, N=1
4	Edgeliss paper of n-vertices is the only 1-partite
	graph (also n-partite)
+	Partitioning with intervention to the graph course
	Partitioning wito independent sets graph coloning. inputite graph - must have a valid bi-partition.
ď	connected biputite graphs have unique partétitions.
	120 minute gapes home
	'If your not wish us, you're against us!
	Eary to characterise bususe of duality.
	All and a second
	Clesure Property
14 -1	luper graph - kadning yertites / todges, sub-graph - Remoning
	Bipautite Nontigartite
	- graph graph.
	Super graph BN N
	hib-graph 18 B
	which are all are why are all and are
	signitite graph is closed under out-graph operation
*	Non-Bipartite paper is absed under euper-graph operation
1 Ta 1	remarks in the set.
•	add law will in the state of the
7	odd length yde is non- si pretite
1	
-3	proof by contradiction. C244
1 45	- CAPM I days build
	ots - adjacent nodes cannot divers
	a mild node by more man 1
	queralise to distance & nodes, not difficulty by more han x
	10 more han x
	The second of the Control of the Con

