	44.		Date: 27-0
	H3SI	gnment #	01
Name			
To go	and the second	Muhamma	al Masie
Reg. N	lo:		
		FA20- E	35M-018
subjec	I:		
		Glaph	Theoly
Batch		1	NOV LES
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Day	
vectices then or deg (v) = n-1 fpe any	
verlex v but a verlex of digree 0	
is not adjucent to any other	
verlen, while a verlex of degree m-1 is	
adjacent to every other vector cannois	
have both a vertex of degree o and	
n-1. it follows other or deg (v) & n-1 fee	
any vectex v. In either case , these	
are n-1 possible values for collection	
or n integers son two or integers	34,1
must be equal.	
Question: 2.7	
for the graph Shown	
on the light , whight down.	
u l	
4 6	4
3 20	
(a) a walk of length 7 blivean 4	
and w.	_
υνυχυννω	
(b) all the cycles of length 1,2,3,4	
length 1: The loop 72	
length 2: The multiple edge und	-
Long Ch 3: The Etiangle Unnu	

Day	Date:
	length 4: The quadrilaterials uvuxu
	(c) a path of man larger
	uvun
	Question: 2.8
	Dlaw Foul connected
	graphs G10 G2 , G3 and G14 with 5 versies
	and 8 edges salistying.
Ans:	o G is simple glaph
	*,
	· Gz is non simple glaph with no loops:
	· G is non simple glaps with no
	· G is non simple glaps with no multiple edges
	e G is genet with both loops
	and multiple edges.
	and maxiple ones.
V III	
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