	1 Total	DOIO!
	Assingment 3.	
1	Falls	
	Father, mother, 2 boys, 1 3 girls	
		Francisco in that the
	(A) there are no restrictions.	19.1101 18
	27 % of of of	
	7! = 5040 ways aldaland	
	300 4-11	
	(b) parents stands together	
	man rel a laca al la	
	FM B1 B2 Q1 Q2 Q3	
)	* 6p, x 5p <sub>5</sub> x 2p <sub>2</sub>	
	= 1440 ways lappages of as all a	, collect resilience 11
	Little and the second of the s	-+1Est 52
	(c) all female stand together	NO 18 30
	Mg.6163 F B. B2	P 1 = 36 % 36
	- 41 × 31	59 J. 31 -
	= 144 ways.	
	000 1 × 203 21 21	and the state of t
3 .	TUES DAY PAGE 1	
	(1) 4 letter are used at a time	K Harmon P
	= 7 Py	
		of a pile
	b) all letter be used at a time	spine pod
	= P p	
	The same and a first of	
	(e) all letter are used but first letter vowel	
	The same of the same	
-	Yowel = 3	
-	61: 720	
	2 × 720	
	= 2160 ways.	

	All I am for the annual of the state of the						
		Land Land Company					
3.	registration number = 3 letter	s, four single digit numbers.					
		e i pet a autoria autoria					
	(a) letter cannot be repeated						
		It materials in an end with the					
	36 . 25 . 24 10 . 10 .						
	= 26 x 25 x 24 = 10 x 10	x 10 × 16					
	- 15 1600						
		with the to the file					
	Total registration: 15,600						
	= 156, 0	000, 000					
		1.1. 1 1 1 C					
	(b) neither letter nor number	can be ropeated. The spyl "					
	so letter 10 di	git					
		9.8. For the Knowle Strain to 19					
	= 26 ×25 ×24 = 10×9×8×7						
	= 15,600 = 5,040						
	part ppl						
	Total registration = 15,600 x 5,046						
	= 78 /	524,000 PA PIDE 4					
		101 (0)					
4.	committee of 7 = 9 boys gal	y girls. Kind our what I to					
		(c) of most 3 girls.					
	= 9(4 × 4(3	=(9(4 ×1(0)) + (9(6 × 4(1)) + (9(5 × 4(2))					
	= 504 ways	(9(4 × :9(3)					
		= 36 + 336 + 756 + 504					
	(b) at least 3 girls.  (4cq x 1(3) + (1(3 x 1))	= 1632 ways					
	(4Cg × (3) + (3)	The Book house on a Hall to be					
	= 688 ways	Villa					
		as F					

	40:	Date:
	lo.:	
5.		marker of party of
	100 participants	Part II
	3 prizes	
	grand prize inter	Jan J Tille
	second pieze	und und
	third (prize (1)	(8)
	100	
	100 (3 = 161700	
	15704 1	den shorter t
	99 (2 200 4 857	diet und day ethilosop
	S pro-I	I prod
	P (Jamilah wins) = 4851	H = 2 files
	161706	8 = 4-011
	7 - 1016 63	S. F. P. Jank
	8	K a
	(-1) plantalong	(. J.) prilitating
	(10) 1	(2-5)
		prilaters product
		produite to live - 1 - 191
	a good wed. Hal	
	(4) (1) (1)	(1) q (1) (1) q (1)
	X = ( , th.)	1 ( c 1 · 1 · 1 · c · c · 1 · 1 · c · c · c
		- (-+11) 1 . (-1) 7
	31	

No.:				Date:	er, and a special section in	
6.						
	1 bag		1	bag		
	. Dag			20 20		
	white black		white '	black		
	ball ball			ball		
	(4)			(5)		
	,					
			10.1	1.31	1 1 1 1	
	1	andomly pick				
1.1.0	bability pick ball	1s black fro	m secono	bag.	PR	
pre	pier					
B,	ag 1	Bag 2	1			
	ite = 4	white	= 3 ( )	deline ( )		
	ack = 3	black				
	ral = 4+3	total	= 3+5			
10.	= 7		= 8			
pro	bability (B,)	probabi	lity (B2)			
	1 (0.5)		(0.5)			
	2	2				
toh	al probability					
	b = event of p	sicking black bo	all			
	(B <sub>2</sub> ND) =			2		
	P (B2 0 D) =	P (82) ·	PIDIB:	1)		
PC	B) = 1	P (D   B, ) =	5			
	2		B			
PC	B2) . P (D 1 B2	) = 1.	5			
		2	8			
		- 5				
		16				
		- 0.312				

	No.: Date:
7	
7.	Ac = advanced calculus
	ps = pre = health science.
	0.8 PS
	0.6 AC
	0.6 PS'
	013 PS
	Oly Ac' PS
	0.1
	(A) (A) IPS' (JAA)
	ELT , 30 O
	1 P 2 · 0
	P(PS) = (0.6 x 0.8) + (0.4 x 0.3)
	= 0.48 + 0.12 (40) 11 (1) (1)
	= 0.6
	FEBRUARY PARTY PROPERTY CANAL
	P (PS   AC) = 0.8 4 4 6 ) 1 ( 21-1-84 0)
	P (PS   AC') = 0.3
	31 2 9 3
	P(ACIPS) = P(PSIAC)
	P (PS)
	= (0.8)(0.4)
	of longs a call and o: 6. , all and and arrive to
	= 0.48
	0.6
	and all appropriate the country of the
	P (AC 1 PS) = 0.80.
	AND THE PARTY OF T
	(3)
	CV 1 O
	11 8 20

	No.:	Date:
(	P(4) = 0. 15	P(BIA) = 0.28
	P(A') = 1 - P(A)	P(B1A') = 10.56
	= 1-0.151	
	= 0.85	
	11-11-	- A
	(a) the person is over 60	years old of has a loan
	P(ANB) = P(BIA).	P(A)
	= 0.28 · D.	চ
	- 0.042	
	(1 × × × × 0 · 9 .	V + ( 4 0 × 3 0 ) - ( 81 1 1
	(b) the person has no loan	chief i the or .
	P(B') = 1- P(B)	1-9-4
	P(B) = [P(B(A) · P(A)]+	[PCBIAI) · PCAI)]
	= (0.28.0.15) +	(0.56-0.85)
	= 0.042 + 0.476	en e
	= 0.578	
	P(B') = 1-0.518	I TITLE PERSON
	= 0.481	> 47 (
	(3)	1 (3-11-14)
	(c) The person has loan, the per	son less than or equal to 60 y
	V	
	P (BIA') = 0.56	7 0 45
		10
	(d) the person is over 60 i	person has loan.
	all the same of the same of	
	PLAIB) = PLANB)	
	P(B)	
	= 0.042	
	0.518	
	= 0.0811	
	V	

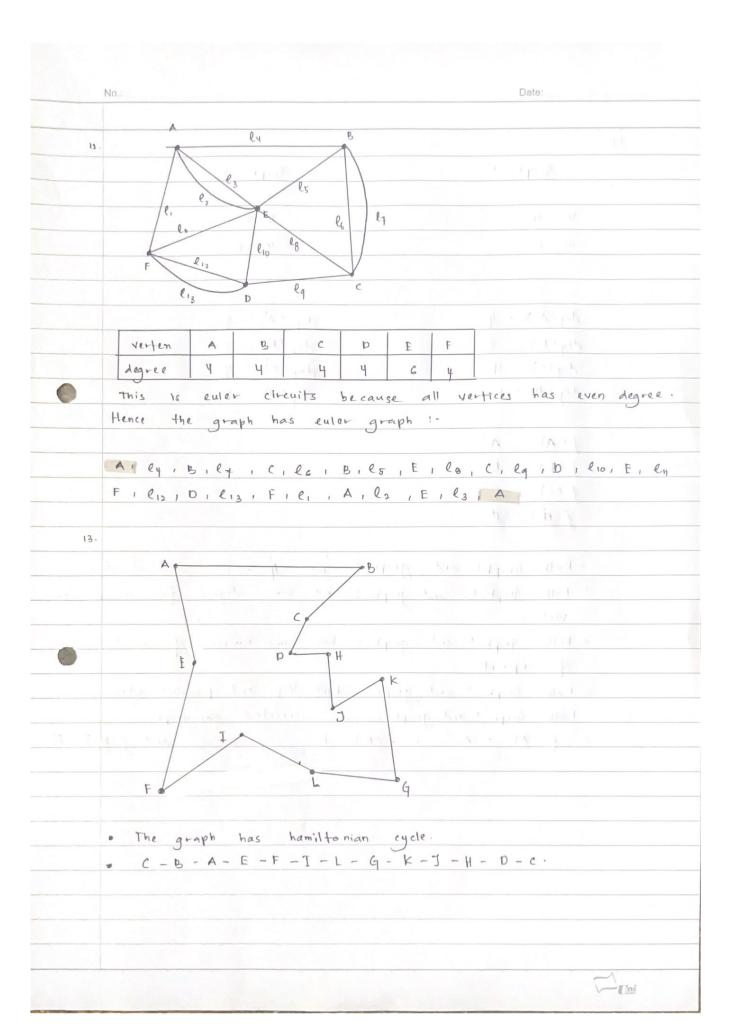
9. 1. set of vertices, set of edges, table edge-endpoint

V = { V1 , V3, V3 , V41, V5 , V6 }

	edge	end point .	and the second
	e,	{ v, , v, }	
	€ <sub>2</sub>	{ V <sub>2</sub> , V <sub>3</sub> }	
	<b>C</b> <sub>3</sub>	{ V3, V4 }	4
	e4	{ V4 , V5 }	
(	e <sub>5</sub>	{ Y4 }	
	ود	{ V4 , V5 }	
	e <sub>t</sub>	{ V5, V2}	
	l <sub>8</sub>	{ Y, 'N2 }	
	eq	{ V1 \ V5}	
	C10	{ V. / V6}	
		Sold of by i	1 A

	21	e 2	e 3	ly	25	26	21	lo	29	e10	
1 q = V,	١					0					
V2	١	١	٥	0	0	0	١	0	0	O	
Ns	0	١	1	0	0	0	0	0	0	0	
Vy	0	0	1	2	1	1	0	10	6	0	
N2	0	0	0	0	0	1	1	1	1	0	
Vc	O	0	0	0	0	0	0	0	0	l	

\\_ [ni



	No.:	Date:
14.		4
·	Graph 1	Graph 2
	1.4.	
	V = 4	V = Y
	w= F	w=+
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		1
	deg (A) = 4	deg (b') = 4
	deg(B). 3	deg (b) = 3
	deg (c) = 4	0.00
	deg (d) = 1	dog (d) = 1
		and the state of the state of
	f(A) = A'	
		at the same of the part to
	f (c) = C'	A. V. Yangan Land I
	f(0)= 0'	
	J	
	That Could and a	ranh ) has a vertices and 7 edges
	Both Graph 1 and go	raph 2 has a vertices and 7 edges raph 2 has same degree for correspondi
	vertices  Both Graph I and graph I and gr	raph I has by vertices and I edges raph I has same degree for correspondi
	vertices  o Both Graph I and g	aph 2 has same numbers of connected
	vertices  o Both Graph I and g	aph 2 has same degree for correspondi
	vertices  o Both Graph I and graph	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o Both Graph I and graph  o f (A) = A'	aph 2 has same degree for corresponding aph 2 has same numbers of connected aph 2 have loops and parallel edges are connected gat graph of (B) = B', f(c) = c', and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o Both Graph I and graph  o f (A) = A'	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o Both Graph I and graph  o f (A) = A'	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph o Graph I and graph of (A) = A'	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o f (A) = A',	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o f (A) = A',	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o f (A) = A',	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =
	vertices  o Both Graph I and graph of components  o Both Graph I and graph o Both Graph I and graph  o f (A) = A',	aph 2 has same numbers of connected  aph 2 have loops and parallel edges  2 are connected gat graph  f(B) = B', f(c) = c' and f(D) =