c) A estudiates estudig habits are as fallows.

Il he studies one night, he is 70% some

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not to study the next night. On the other hand, if he does not istudy one night, he is 60% sure not to Study the next night.

## Paper · 2

- (a) Repeated (b) Repeated
  - c) significant level (Eseplan in teums)
- 2) Repeated

for the negular stochastic matrix.

is a realow with mount is

4) a) A. certain, simulus administered to early
of the 12 patients presulted in the following
Change in ublood spressure (to 05) for 11 of +222)

b) it has been found that the mean breaking strength of a particular brand of thursd in 275 6 gms with 5 39,7 gms. A rample of 36 pieur of thousand ahowed a mean breaking Strength of 253.2 gms tust the claim at 1+... and 5-2. level of significance of A manis smoking habits are as follows. it he smokes filter cigarettes one week, he switcher to non filter eigaretter the next week with probability 0.2 one the other hand if he smokes non filter cigaretter one week there is a probability of 0.7 that he will is make non filter cigareller the next week as well. In the long won how often does he smoke filter Cigarettus? Paper - 3 a) the An 324 thuour of a six found of the deal of the stand die an odd number turned up 181 times. Is it muso nable to think that the die is unbiased?

b) Two	horres	1,,/1. A a	A B	were	tes te	d'av	Cordina
to the	time (	in seu	onds) de	o run	a po	what	عاد ا
simporare with the following increally brush							
- Simash	1 de la constitución de la const	1 70	1.V7.5	_ 10 1	HUNVA	PU 14	
Horse !	28	30	32	33	33	29	34
Hosse B:	89	36	30	& ম	27	29	
in a landing	- June	1-6 6	John J.	1 10	Many)	и/да 4 - <b>М</b> . :	
1est wheth	Men You	can c	A	nou E	etweer	The	er Kansas
Test whether two house	es (ton	= 0.2	and t	0.62	2.72	for l	(d1)
week, he	U/3	WHO mp	is not.	جدي الم	lam du	ed of	
C) Repeat	the will.	rigar	rollif.	wow at	ميان ا	blient.	
It had nedt	o elf.	V13	C. A. Land	1.1:1		11 •	
e a) Defin	ero Mil	fums	i) Repea	ted	ii) R	peated	
2 and Define instrume i) Repeated ii) Repeated iii) Confidence limits idomes that the professionadors as is							
b) Prove that the Markov chain whose.							
TOOL OF THE MAN WHITE WOLL WOLL WOLL WOLL WOLL WOLL WOLL WITH							
t. p.m 1 P= 1/2 1/3 1/3 1/2 is inviducible . Find the							
L/2 1/2 0 Julterapid white							
Corresponding stationary probability vector.							
	2		1		. 4, 1		
2) There boys A.B.C are therowing ball to							
each other. A always throws the ball to B							
and B always throws the hall to C							
and B always throws the ball to C.  Scanned by CamScanner							

C is just as likely to thuow the ball to B as to A. It C was the first person to throw the ball find the probabilities that after three throws:

i) A has the ball

ii) B has the ball

iii) C has the ball.