College	Name:										
Studen	t Name:			Sea	at No:						
Сору N	0:										
	FINAL EXA		UNIV ION, D	ERSITY ECEMB S STAT	OF KA ER 201	ARACH 6; AFF	I ILIAT		LLEC	<b>BES</b>	
Date:	December 20		Max Time: 1 Hr								
1. 2.	<u>RUCTIONS:</u> Attempt any <u>TABLES ARE</u> Mobile phon examination before enter	NOT RE Ne(s) or a n room. S	QUIRE any othe Student	<u>D.</u> er comr s will ha	nunicat ave to re	ing dev	vice wi	questic Il not b	on pa De allo	owed ii	n the
Q1	Give reason w a) Arithmetic b) Fisher ind c) Mutually e d) Grouping e) Binomial F	c mean is ex is calle exclusive e error incre	d as Fisl events h eases wl	ner's idea ave P(A nen class	al index ∩ B) =0 s interval			p<1/2			
Q2 a)	Following are HM, and comi 1.12,		ch avera	ge if mo	st approj	oriate.		-			
b)	By calculating stock market.		n and va	iriance o	f the foll	owing st	tock ind	lex find	consi	stency o	of the
	Inde	ex	2100	2200	2300	2400	2500	) 260	0		
	freq	uency	4	2	4	6	5	3			
i	If P (A) = 0.2 . P (B)	ii) P( A/	'B) iii	) P P(A'	∩ B)	iv)	P(A ∩ E	3′)	v)	P(A′ ∩	,
D)	Find the numl to follow each		ys in whi	cn / peo	pie de lir	iea up t	o get or	n a bus	IT TWO	people	insist

Q4 a) Following data represents the weight of five people before and after using a weight reducing diet plan.

Before	Х	80	90	100	95	88
After	Y	75	91	94	93	86

Calculate regression line y on x

- i. Estimate the weight of a person after using diet plan whose weight before 92kg.
- ii. How can we justify that diet plan is effective?
- b) The probability that remote control car is defective is 0.2, from set of 8 cars calculate the probability that
  - i. Exactly 3 are defective
  - ii. More than average are defective

A box contain 8 cars, calculate out of 100 such boxes how many boxes would you expect that contain exactly 3 defective cars.

## END OF SUBJECTIVE PAPER