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Name :		

Second Semester FYUGP Commerce Examination APRIL 2025 (2024 Admission onwards) KU2DSCCOM110 (QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS)

(DATE OF EXAM: 30-4-2025)

	nda sluden	tion to be a sent			1
Time: 120 min			M	aximum Marks :	70
Part A (Answer any	6 questic	ns. Each ca	rries 3 marks	CHARL SON	
1. What do you mean by	1			hear or think	
2. What are the uses of	regression	analysis?	108 Mar -1 mil	paraties, etc.	3
3. Given the regression of	equation Y	=3+2X. Wh	at is the value of	f Y when X=5?	3
4. Define Time Series.					3
5. Explain Multiplicative	e Model.				3
6. What is 'equally likely	y outcome	'? Give two e	xamples.		3
7. If $P(A) = 0.5$ and $P(A) = 0.5$	B/A)=0.	6, find P (A &	and B).		3
8. If P(A) = 0.4 and P(E	$ 3\rangle = 0.5$, w	hat is P (A	B) if A and B are	mutually exclus	ive? 3
Part B (Answer an	y 4 ques	tions. Each	carries 6 marl	cs)	
9. Differentiate between one over the other?	Simple a	nd Multiple I	legression. Who	en would you ch	oose 6
10. Find the most likely p	production	correspondin	g to a rainfall 40	o from the follow	ving
data. Particulars	Rainfall	Production	ll a		
Average	30"	500 kg.			0.00400
Standard Deviation	5"	100 kg.	1		6
Coefficient of	correlation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
11. Describe the propertie	es of regre	ssion coefficie	nts.		6
12. Explain the different l	kinds of ev	vents.			6
13. Discuss the different s	schools of	thought on th	e interpretation	of probability.	6
 A candidate is selecte candidates, for the candidate is selected 	second 4 a	and for the th	aird 2. What is		

Part C (Answer any 2 question(s). Each carries 14 marks)

Discuss the applications and limitations of Quantitative Techniques in business.

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Second Semester FYUGP Commorca Examination Calculate rank Correlation coefficient between mark assigned to 10 students by indee X and Y

St:No:	1	2	3	4	5	6		8		
Mark by Judge X	52	53	42	16	45.	41	37	38	25	27
					77					

KUZDSCCOMI 14

17. Below are given the figures of production (in thousand quintals) of a sugar factory.

						2014	
Production	80	90	92	83	94	99	92

a) Fit a straight-line trend

b) Eliminate the trend

c) Estimate the production for the year 2017

to Walk by inqually filed y sure years a fixed two contributes So if PAA is the PAB of the whole is PAA Birth and Born to the PAB is

3, Given the regressing equation Y 3+2X, What is the value of Y while X - 22

Part B (Answer any a questions, Each carries 6 medes)

b. Differentiate between Sunsie and Mahifide Poppesson. When would win charge

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13. Ducque the different about at thought on the Pastinetation of probability

A conditions is relieved for interview for three posts. For the first posts their were 3 condictors, for the second 1 and for the third 2. What is the probability that

Part C (Answer may 2 question(s), Each carries 14 martis)