		•											
QP Co	ode: D 123234	Total	l Pages:	2		Name:							
						Regi	ster No.						
	SECOND SEMESTE	R (CUFYU	J <b>GP) D</b> I	EGRE	E EXA	MINA	TION, A	PRIL	2025				
			BB										
	BBA2CJ103 / BBA	2MN102 -	FOUNI	OATIO	NS FOI	R BUSI	NESS AN	ALYTI	CS				
		2024	Admissi	on onw	ards								
Maxir	num Time: 2 Hours	2021	114111551		ur us	Max	imum Ma	rks: 70					
1714211	itum Timie. 2 Hours		Section	on A		171422		1113. 70					
	All Questions can be an	nswered. Ea			rries 3	marks	(Ceiling: 2	24 Marl	xs)				
1	What is a Sample Space?						, ,						
2	Define Business Analytics.												
3	Define a Random Experiment.												
4	What is the purpose of Index Numbers?												
5	What is the meaning of Regression Analysis?												
6	What are Mutually Exclusive and Exhaustive Events?												
7	What are Parabolic and Logarithmic Trends?												
8	What is a Chi-Square Distribution?												
9	What is Sampling and what is		Sample?										
10	What are Independent Events?	)											
			Section	on B									
	All Questions can be an	nswered. Ea	ach Oues	stion ca	rries 6	marks	(Ceiling: 3	36 Marl	xs)				
11	Briefly explain the various Pro									niques			
12	What do you mean by a Time							Tetrious .	01 10011	inques.			
13	Three unbiased coins are tosse												
	(a) All heads		1	,		0							
	(b) 2 heads												
	(c) One head												
	(d) At least one head												
	(e) At least two head												
	(f) At the most one head												
14	Compute a Price Index for the												
	Commodity	A B	C	D	Е	F							
	Price in 1986 (₹)	20 30	10	25	40	50							
	Dries in 1001 (₹)	25 20	1.5	25	15	<i>E E</i>							
	Price in 1991 (₹)	25   30	15	35	45	55							
15 The Standard Deviation of two samples of sizes 10 and 14 from two normal populations are 3													
	respectively. Examine whether the Standard Deviation of the Population are equal.												
16	1												
	in 1 minute using the Poisson												
17	Construct 3 yearly moving averages from the following data:												
	Year	2016 2	2017 20	18 20	19   20	20 20	21 2022	2023	2024				
1861	Annual sales in lakh	s   43   4	5 50	54	51	49	52	56	60				

18	Calculate the Correlation Coefficient for the following data:													
	X = 21, 31, 25, 40, 47, 38 and $Y = 70, 55, 60, 78, 66, 80$													
Section C														
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)														
Calculate the Rank Correlation Coefficient between marks assigned to 10 students by Judges											lges 2	X and Y.		
		Sl. No	1	2	3	4	5	6	7	8	9	10		
19		Mark	52	53	42	16	45	41	37	38	25	27		
		Mark	by Judge Y	65	68	43	38	77	48	35	30	25	50	
	Calculate the Regression Coefficient and obtain the Lines of Regression for the following data:													
20		X	1	2	3		4		5	6			7	
		Y	9	8	1	.0	12	2	11		13		14	