Instructions:

Subject Code: 2527102

Time: 02.30 pm – 05.30 pm

Subject Name: Business Statistics

1. Attempt all questions.

Date:26/12/2018

Total Marks: 70

GUJARAT TECHNOLOGICAL UNIVERSITY

MBA (Integrated) – SEMESTER – 2 • EXAMINATION – WINTER - 2018

Q.1	(a) (b)	Explain different types of Graphs and Charts. Find: Mean, Median, Mode, Standard Deviation, Variance, Coefficient of variation												
		Class	1-3	3-5	5-	7	7-9		9-11	1	11-1	13		
		Frequency	4	12	1	3	19		7		5			
2	(a)	Coefficient of QD. 18 20 22 27 21 29 27 29 28 29 16												
	(b) Calculate missing frequencies if Median and Mode are 33.5 and 34 responsible $C.I.$ $0-10$ $10-20$ $20-30$ $30-40$ $40-50$ $50-60$										· ·			
			-		<u> 30 – </u>	40	40 – 50	_			70	Total		
		Fre 4	16	-	OI	<u> </u>	-		6	4		230		
	(b)	Explain level of	Data Meas	urement	OI	L								
•		•												
3	(a) (b)	Two Batsmen X and Y made the following score. Whom will you select for future? X: 14 13 26 53 17 29 79 36 84 49 Y: 37 22 56 52 28 30 37 48 20 40 Explain Important and limitation of Statistics.												
		OR												
3	(a) (b)	•												
Q.4	(a) (b)	Determine the equation of the Regression line.												
		X 23	29 29		42	46	50	54	64	66	76	78		
		Y 69	95 102	2 118	126	125	138	178	156	184	176	225		
Q.4	(a) Write a short note on Regression Analysis. (b) Calculate Karl Pearson's co-efficient of correlation.										10	20		
		X 21 Y 20	22 19	23 19	24 17	25 17		.6 .6	27 16		28	29 14		
		1 20	17	17	1 /	1/		U	10	1	J	14		
5	(a) (b)	A pot contain	6 red marl		probabil	ity tha								
.5	` ´	A pot contain	6 red mark m the pot. V has Plants A bbability of he products efective products	What is the A.,B and C. Non-Deform the A.	e probabil OI producinective producese plan	ity that R ng 359 oduct ts are	%, 25% from present mixed	of the and lants l	marble 40% re are 0.7 ether	es are espect 70,0 and d	black ively .90 a ispato	of tot nd 0.8 ched		
	(b)	A pot contain replacement from A certain firm I output. The Prorespectively. To customers. A decoration of the customers of t	6 red mark m the pot. V has Plants A bbability of he products efective products Plant C?	What is the A.,B and C. Non-Defease from the cluct was f	e probabil OI producinective producese plan	ity that R ng 359 oduct ts are	%, 25% from present mixed	of the and lants l	marble 40% re are 0.7 ether	es are espect 70,0 and d	black ively .90 a ispato	of tot nd 0.8 ched		