B. COM Third Semester BUSINESS STATISTICS (BCM - 301)

Duration:	20	mi	nut	tes
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Marks - 20

		(PART A - Objective Type)			
I. (Choose the correct ar	iswer:	1×15=15		
1.		b. cumulative frequency d. none of these			
2.		agram which represents a frequency distribution with b. continuous d. none of these	classes		
3.	The sum of deviation a. one c. least				
4.	Standard deviation is a. scale, origin c. unit, origin				
5.	For a moderately ske a. 3Mean c. 2 Mode				
6.	a. mean	um of squares of deviations is least when measured from an b. median de d. none of these			
7.	a. Positively skewed	when mean> median> mode the curve is said to be b. Negatively skewed d. None of these	_curve.		
8.	a. $P(A) + P(B)$	lly exclusive events then P(AUB) = ? b. P(A) - P(B) d. None of these			
 9. If A & B are two events ass a. P(A) ≤ P(B) c. P(A) = P(B) 		nts associated to a random experiment such that $A \in B$ the b. $P(A) \ge P(B)$ d. None of these	en		

			b	b. B only d. None of these				
			b	lependent events then P(AB)= b. P(A) + P(B) d. None of these				
	I	f E and F are F)=? a. 2/8			= 1/4, $P(F) = 1/2$ and $P(E and F) = 1/8$ then $P(E or d)$. None of these			
13.If A and B are independent then P(A/B) = ? a. A b. B c. AB d. None of these								
	14. <i>E</i>	A bag contair palls?	ns 3 red, 2	white and 4 blac	k balls. What is the probability of drawing 2 black d. None of these			
15.For Binomial Distribution mean and variance are& respectively. a. np & pq								
]	II. S	tate true or	false:		1×5=5			
	1. The coefficient of correlation is independent of both change of scale and origin.							
2. The lines of the regression are parallel if $r = 0$.								
3. Fishers index number satisfies both time reversal test and factor reversal test.								
	4. S	4. Seasonal variation is the general long term movement in the time series value of the						
	V	variable over a fairly long period.						
	5. N	5. Mean and variance of poisson distribution are equal.						
