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BBA (Sem.-3) BUSINESS STATISTICS Subject Code : BB-304 M.Code : 10516

Time : 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- a) What are the merits of mean?
- b) What are properties of Geometric mean?
- c) What are the uses of Harmonic mean?
- d) What are the applications of coefficient of variation?
- e) What is Karl Pearson's coefficient of Correlation?
- f) What is Regression analysis?
- g) What are the limitations of moving averages method?
- h) What is the classical approach of Probability?
- i) What is Normal Distribution?
- j) What is Bayes' Theorem?



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SECTION-B

- 2. What is meant by tabulation of Data? Discuss in detail rules of tabulation.
- 3. The following data relate to age of employees and the number of days they were reported sick in a month.

	Employees									
	1	2	3	4	5	6	7	8	9	10
Age(X)	30	32	35	40	48	50	52	55	57	61
Sick Days(Y)	1	0	2	5	2	4	6	5	7	8

Calculate Karl Pearson's Coefficient of Correlation and interpret it.

4. Find two regression equations for the following two series. What is most likely value of X when Y=20 and most likely value of Y when X = 22?

X :	35	25	29	31	27	24	33	36
Y :	23	27	26	21	24	20 _C	29	30

- 5. What is Time series analysis? Discuss in detail components of Time series analysis.
- 6. What is Binomial Distribution? Discuss in detail properties of Binomial Distribution.
- 7. What is Poisson distribution? Discuss the role of Poisson distribution.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.

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