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Total No. of Pages : 02

Total No. of Questions: 07

MBA (Sem.-1) QUANTITATIVE TECHNIQUES Subject Code : MB-104 M.Code: 49031

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

1. Write briefly :

- a) Annuity
- d) Significance of Index numbers
 e) Seasonal variations
 f) P-

- Properties of regression coefficients f)
- g) Theoretical distributions
- h) Sampling distribution
- i) If payment of Rs 20,000 is made quarterly for 10 years @ 8% p.a., find annuity.
- i) Multiplicative law of probability



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SECTION-B

- 2. Discuss the role of statistics and mathematics in various business decisions, giving examples.
- Using Binomial theorem, obtain the 6th term in the expansion of $(2x + y)^9$. 3.
- 4. Find the coefficient of variation for the following data and comment on it :

Χ	10	18	14	22	17	26	29
Y	5	7	2	8	4	9	11

- 5. Discuss what is meant by time series analysis. Discuss its various components.
- 6. Find the correlation coefficient for the following data :

Χ	10	20	30	40	50	60
Y	105	125	115	145	135	155

- 7. Write short notes on :
 - a) Point estimation
- www.FirstRanker.com b) Internal estimation

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.