Roll No. Total No. of Pages : 02

Total No. of Questions : 06

MBA (Campus) (Sem.–1)

QUANTITATIVE TECHNIQUES

Subject Code : MBA-104

M.Code : 51184

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A contains SIX questions carrying TWO marks each and students have to attempt ALL questions.
2. SECTION-B consists of FOUR questions each carrying TEN marks each and student has to attempt ALL questions.
3. SECTION-C is consist of ONE Question carrying EIGHT marks.
4. All Questions are Compulsory.

SECTION-A

1) **Write a short notes on the following :**

a. Discus the applications of inferential statistics in managerial decision making.

b. Explain the relationship between sample size and errors.

c. Describe the significance of formulation of Hypothesis.

d. Explain the concept of Standard Error.

e. What is the significance of Time Series Analysis?

f. Explain the 2 laws of Probability.

SECTION-B

2) What is meant by Sampling? Discuss and differentiate between probability and non-probability sampling.

3) Find the correlation coefficient between the following 2 variables :

X	110	120	130	140	150	160	170	180	190
Y	85	74	89	79	93	102	110	96	115

4) What are Index Numbers? Discuss the various methods of its Construction.

5) Discuss and differentiate between Poisson, Normal and Binomial Distribution.

SECTION-C

6) In a survey of young executives of a company, data was collected regarding their monthly incomes and monthly expenditure habits. Following figures were noted and tabulated.

Income (in, 000 Rs)	50	60	70	80	90	100	110
Average Expenditure (in, 000 Rs.)	27	32	41	64	78	81	93

Using regressional analysis, find out the average monthly expenditure of an executive who earns Rs. 150,000 p.m.?

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.