

Code No: MA103

MBA - I Semester Supplementary Examinations, January/February 2010
STATISTICS FOR MANAGEMENT

(For Students admitted in 2005 & 2006 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- (a) Discuss the origin of statistics in India.
(b) Explain various applications of statistics.
- (a) Distinguish between schedule and questionnaire.
(b) List out various rules for tabulation.
- (a) Explain various properties of normal curve.
(b) Calculate mean, median and mode for the following data, representing sale of T.V. sets from a retail shop of a company per day 8,5,6,5,10,5,12,6,8,5.

- (a) List on various sources of time series data.
(b) Calculate 3 yearly morning averages for the following data.

Year	2000	01	02	03	04	05	06
Production (in terms)	152	168	162	140	176	182	190

- (a) What are scatter diagrams? Discuss their limitations.
(b) Calculate correlation coefficient for the following data.

Number of hours	1	2	3	4	5
Production (Kgs)	2	4	5	8	12

- (a) Explain why Fisher's Index number is an ideal index number.
(b) Explain various uses of Index Numbers and list out various index numbers.

- Using appropriate test, determine whether there exists any significant difference between marks in statistics (X) and marks in marketing (Y) papers with respect to means.

X:	67	52	70	40	63	68
Y:	70	62	80	60	68	70

[Table value is 2.228]

- (a) Draw a histogram for the following data.

C.I.	Frequency
0-20	5
20-40	12
40-60	28
60-80	18
80-100	3

- (b) Explain the method of construction of a pie-diagram with a suitable example.
