Code :9EBS105

MBA I Semester Regular & Supplementary Examinations, February 2011
STATISTICAL METHODS FOR MANAGEMENT
(For students admitted in 2009 & 2010 only)

Time: 3 hours   **Max Marks: 60**
Answer any FIVE questions
All questions carry equal marks
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1. Distinguish between statistical methods and statistics. Discuss the scope and significance of the study of statistics.

2. Explain the graphic presentation of statistics . What are the advantage and disadvantages?

3. What are the objectives of measuring dispersion of a frequency distribution ? Explain , with examples, the utility of a measure of dispersion.

4. Find out Karl Pearson's coefficient of correlation from the following data and interpret its value.

Wages(Rs) :	100	101	103	102	100	99	97	98	96	95
Cost of livings(Rs):	98	99	99	97	95	92	95	94	90	91

5. Distinguish between correlation and regression. Discuss least square method of fitting regression.

6. 20% of all students in a university are graduates and 80% are under graduates. The probability that a graduate student is married is 0.5 and the probability that an undergraduate student is married is 0.1 .One student is selected at random.

   (a) What is probability that he is married ?

   (b) What is the probability that he is a graduate if he is found to be married?

7. How do you calculate limits through derivatives ?

8. What is derivative ? Explain some of the functions of derivatives.

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