



I Semester M.B.A. (Day) Degree Examination, February 2012
(2007-08 Scheme)
MANAGEMENT
Paper – 1.5 : Bumastics

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer **any six** of the following. **Each** question carries **two** marks. (2x6=12)

1. a) What are transposed determinants ?
- b) What do you mean by uncertainty risk in decision tree ?
- c) Define snow ball sampling.
- d) What is difference between correlation and regression ?



6. Write short notes on the following concepts :
- Rules of addition and multiplication in theory of probability.
 - Distinction between correlation and regression.
 - Explain Skewness and kurtosis with a suitable diagram.
 - Meaning of any two non-parametric tests and their uses.

SECTION - C

Answer any two of the following. Each question carries 12 marks. (2×12=24)

7. Compute the two regression equations from the data :
- | | | | | | | |
|---|----|----|----|----|----|----|
| x | 27 | 30 | 42 | 19 | 25 | 30 |
| y | 31 | 27 | 47 | 12 | 19 | 33 |
- If $x = 28$, what is the value of y .
8. Describe various probability and non probability sampling techniques used.
9. Calculate a set of moving averages of period :
- 3
 - 5
- for the following time series data :
8, 11, 10, 21, 4, 9, 12, 10, 23, 5, 10, 13, 11, 26, 6 which set of moving averages is the correct one to use for obtaining a trend for the series.

SECTION - D

(1×15=15)

10. The following is the information pertaining to the sample psychological health ratings of corporate executives in the field of Banking, Manufacturing and Fashion retailing.

Banking	41	53	54	55	43
Manufacturing	45	51	48	43	39
Fashion Retailing	34	44	46	45	51

Can we consider the psychological health of corporate executives in the given three fields to be equal at 1% and 5% level of significance.

Draw the necessary hypothesis to prove your argument.