202. BUSINESS STATISTICS-PART 2

1. Interpolation and Extrapolation: Binomial Expansion, Newton's advancing difference and divided difference and Lagrange's Methods. Association of Attributes.

2. Analysis of Time Series: meaning, Components, Decomposition of time series, measurement of Trend and Seasonal Variations and conversion of trend equation.

3. Probability: Definition and fundamental rule of probability: Addition, Multiplication and Conditional, Bayes theorem and inverse probability, Bernoulli's Rule.Mathematical Expectation

4. Theoretical Frequency Distributions- Binomial, Poisson and Normal Distributions with their properties and applications, fitting a normal Curve.

5. Statistical Quality Control: Control Charts, Advantage and Limitations of SQC, Acceptance Sampling.

Note: equal weightage shall be given to theory and practical questions in semester end examination

Suggested Readings:

1. BhanawatShurveer S.: Business Statistics, R.B.D. Publication, Jaipur – New Delhi.
2. Gupta S. P.: Statistical Methods, Sultan Chand & Sons, New Delhi.
3. Gupta S. C. and Gupta Indira: Fundamentals of Statistics, Himalaya Publishing House, Mumbai.
4. Hoel&Jessen: Basic Statistics for Business and Economics, John Wiley and Sons, New York.
5. Hooda, R.P.: Statistics for Business and Economics, Macmillan, New Delhi.
6. Lewin and Rubin: Statistics for Management, Prentice-Hall, New Hall.
7. Sancheti, D.C. and Kapoor V. K.: Statistics (Theory, Methods and Applications) Sultan Chand and Sons, Delhi.
8. Ya-Lun Chou: Statistical Analysis with Business and Economic Applications, Holt; Rinehart &Winster, New York.