

QUANTITATIVE APTITUDE

IC/104

Credits 3

UNIT 1 Number series, surds, rationalisation of surds, percentage, profit and loss, ratio and proportion, partnership, simple interest and compound interest, permutation and combination.

UNIT 2 Time and distance, time and work, pipes and cistern, boats and stream, Arithmetic Progression(AP), sum of AP up to n-terms. Types of data, methods of collection, concept of data summarization and condensation.

UNIT 3 Methods of data representation, classification of data and their types, construction of tables (with one or more factors), their general structure and types, Frequency distribution, principles governing their representation and graphical representation and determination.

Suggested readings

1. RS Agarwal : Quantitative Aptitude, S.Chand
2. Mukhopadhyay, P. (1996): Mathematical Statistics, New Central Book Agency.
3. Snedecors G.W. and Cochran W.G. (1967): Statistical Methods, Iowa State University Press.
4. Goon A.M., Gupta M.K. and Das Gupta B. (1991): Fundamental of Statistics, Vol. I, World Press, Calcutta
5. Hogg R.V. and Craig A.T. (1972): Introduction to mathematical Statistics, Amerind Publishing Co.
6. Hoel P.G. (1971): Introduction to Mathematical Statistics, Asia Publication.