

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road,
SURAT – 395 007.

M.Com. (Part- I) Statistics

ADVANCED STATISTICS PAPER II

(1) Demography :

Meaning and scope of demography, history and growth of demography, measures of population growth, common measures of growth rate, growth curves: Logarithmic, Exponential, Gompertz and Logistic curves , measures of mortality rates, natal and porinatal mortality rates, stadardised age, specific death rates with numerical examples, Life -Tables, Abridged life – tables, numerical examples to illustrate these methods, population projections: methods of projection, study of sample models for population projections, Fertility and Reproduction rates. (40%)

(2) Indian Official Statistics :

Present official statistical system in India, Central Statistical Organization, National Sample Surveys, National Council of Applied Economics Research, Computer Center of Department of Statistics in India - functions, objectives methods of collection of official statistics, it's reliability and limitations. Principal publications containing data on the topics such as population, agriculture, industry. Index Number: meaning, need, uses, selection of items, collection of price data, fixing of weights, selection of base, computational methods with precautions in it's uses. (30%)

(3) National Income :

Concept of National Income. Methods of it's estimation. Lorenz curve and Pareto's law of Income Distribution: concept, derivations and applications. (30%)

BOOKS :

- (1) Pathak, K. B. and Ram, R. (1992): Techniques of Demographic Analysis
Himalaya Pub. House, Delhi.
- (2) Jaiswal, M. C. (1984) : Arth Vishayak ankadashashtra (in Gujarati);
University Granth Nirman Board, Ahmedabad.
- (3) Srivastava, O. S. (1983): A Textbook of Demography; Vikas Publishing House.