

Department of Higher Education, Govt. of M.P.
Semester wise Syllabus for post graduation
As recommended by Central Board of Studies and
approved by HE the Governor of M.P.

M.A. Economics

MM – 50

Semester-II

Paper - III Research Methods and Statistical Inference

Unit – 1 Meaning and Concept of Research, Types of Research, Steps in Scientific Research, Research Design, Sampling Techniques. and Techniques of data collection Research report Writings.

Unit – 2 Analysis of Time Series - Introduction, Utility and Components of Time Series. Measurement of Trend by Graphic Method, Semi-Average & Moving Average method and Least Squares Method.

Unit – 3

Probability and its Theorems : Concepts & Definition, Calculation of Probability, Theorems Addition Theorem and Multiplication Theorem. Theoretical Probability Distribution : Normal, Binomial & Poison Distribution.

Unit – 4

Test of Hypothesis : Procedure of Testing Hypotheses, Standard Error and Sampling Distribution, Estimation, Significance of Attributes Large Samples and Small Sample T, F & Z test.

Unit – 5

Chi Square Test& Goodness of Fit. And analyses of variance

Books Recommended

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| 1 Gupta & Gupta | - | Statistics |
| 2 D.N.Elhance | - | Fundamentals of Statistics (Hindi and English Edition) |
| 3 Couner | - | Statistics in Theory & Practice |
| 4R.G.D.Allen | - | Statistics for Economics] |
| 5A.L. Bowliy | - | Elements of Statistics |
| 6Croxtton&Cowden | - | Applied General Statistics |
| 7JITSchandan | - | Statistics for Business & Economics |
| 8SP.Gupta | - | Statistical Methods |

