M.Phil./Ph.D. Bridge Course
Syllabus - (For Education)

Paper :- Computer Applications and Quantitative Analysis

Total Marks : 50

Unit - I :-   Basic concepts of Computer :-

(7 Lectures)

i)   History of Computer.
ii)   Concept of Computer Hardware
iii)   Concept of Computer Languages.
iv)   Concept of Computer Softwares.

Unit - II :- Computer applications in Education :-

(8 Lectures)

i)   Spreadsheet tools : Introduction to spreadsheet applications, features, using formula and functions, Data storing, Features for Statistical data analysis. Generating charts/graphs and other features, Tools – Microsoft Excel or Similar.

ii)   Presentation tools : Introduction, features and functions, Preparation of Power – Point presentation, Customizing presentation, showing presentation, Tools – Microsoft Power Point or Similar.

iii)   Web – Search : Introduction to Internet, Use of Internet and www, Use of search engines Eductional data bases.

Unit - III :- Statistics For Education :-

(7 Lectures)

i)   Measures of Central Tendancy.
ii)   Probability distributions.
iii)   Parametric and Nonparametric Statistics Confidence Interval, Errors.

Unit - IV :- Quantitative Techniques :-

(8 Lectures)

i)   Levels of Significance.
ii)   Regression and Correlation.
iii)   Use of other statistical techniques in Education.