Paper Code: 44325D

M.A. ECONOMICS 2011-12
SEMESTER – IV
Paper – V D
COMPUTER APPLICATION FOR ECONOMISTS

Unit – I

Basics of Computers and Network – Data Storage and Retrieval, Secondary Storage Devices, Hard Disk, CD ROM, DVD and USB storage, Communication Ports, COM, LPT and USB and Bus, System Software.

Unit – II

Application Package – Spreadsheet, Worksheet and Workbook, Editing and formatting, Creating Formula and creating Charts, Functions, Mathematical, Statistical and logical, Pivot table: Conditional sum and statistical analysis of data.

Unit – III

Programming with Database: Introduction to Database, Advantages, Data model, MS Access: Data types, table creation, adding, editing, SQL (elementary idea only): Select, where, group, Shorting: Data import and export, Report generations.

Unit – IV

Statistical packages – SPSS, Data management and data transformation, Series, groups, tables, graphs and objects, Time and Frequency Series, Joining of data file, Data import and export, Data Creating and Labeling of variables and values.

Unit – V

Statistical analysis: Regression analysis, Hypothesis Testing: Tests based on t, χ^2 (chi-square), F and Z, Factor analysis: Principle Component Analysis, Cluster Analysis.