UNIT I: Uses, Scope and limitation of Statistics, Collection, Classification and Tabulation of data, Diagramatic and Graphical representation, Measures of location, dispersion, Skewness and Kurtosis – Correlation and regression – Curve Fitting – Linear and Quadratic equation by the method of least squares.


Analysis of Variance – Principles of design CRD, RBD and LSD – Factorial experiments $2^2$, $2^3$ and $3^2$ (Without confounding) Missing plot techniques.

UNIT VII: Concept of SQC – Control Charts – $\bar{X}$, R, p and charts Acceptance sampling plan – single and double – OC curves Attributes and Variables plan.

OR Models – Linear Programming problems – Simplex method Dual – Primal, Assignment problems, Network – CPM and PERT

UNIT VIII: Time series – Different components – Trend and Seasonal Variations – Determination and elimination

UNIT X: Statistical Computing using Excel – Understanding on the usage of Statistical Packages including SPSS, MINITAB and SAS.