

BATCH 1

- Derogatory and non-derogatory matrices,
- Functions of Square Matrix,
- Linear Transformations,
- Quadratic forms.
- Application of Residue Theorem to evaluate real integrations.
- Initial value theorem,

BATCH 2

- Final value theorem,
- Inverse of Z Transform by Binomial Expansion
- Test significance for Large samples,
- Estimate parameters of a population,
- Yate's Correction.
- Sensitivity Analysis,

BATCH 3

- Two-Phase Simplex Method,
- Revised Simplex Method.
- Problems with two inequality constraints,
- Unconstrained optimization: One-dimensional search method (Golden Search method)
- Unconstrained optimization: One-dimensional search method : Newton's method).
- Gradient Search method