

MA-6452 Statistics and Numerical Methods
Important 2Mark Questions

Unit I

1. Write any two importance uses of normal curve.
2. Define type I and type II errors.
3. State any two applications of χ^2 -test.

Unit II

1. State about advantages of a completely randomized experimental design.
2. How to construct Latin square?
3. What is the purpose of analysis of variance?

Unit III

1. What is the condition for convergence of Gauss Jacobi and Gauss seidal methods?
2. Define power method.
3. Define a direct and indirect methods of solving systems of simultaneous linear equations.

Unit IV

1. State Newton's divided difference interpolation formulae.
2. Write trapezoidal rule.
3. When do we use the divided difference methods and the Newton's forward and backward interpolation methods?

Unit V

1. State modified Euler formula.
2. Define fourth order RK method.
3. What are the various methods of solving ordinary differential equations?