

## Syllabus for MTech TQM Entrance Exam

**Verbal Ability:** English grammar, sentence completion, verbal analogies, word groups, instructions, critical reasoning and verbal deduction.

**Numerical Ability/Quantitative Analysis:** Numerical computation, numerical estimation, numerical reasoning and data interpretation.

**Probability and Statistics:** Definitions of probability and sampling theorems, Conditional probability, Mean, median, mode and standard deviation, Random variables, Poisson, Normal and Binomial distribution

**Linear Algebra:** Matrix algebra, Systems of linear equations, Numerical solutions of linear and non-linear algebraic equations

**Basics of Quality:** Concept of Variation, Random & Assignable variation, Concept of accuracy and precision