**Syllabus of QMA (Mathematics) and QMB (Mathematics)
for MS(QMS) Admission Test 2024**

Algebra: AP, GP, HP, Binomial Theorem, Exponential Series, Logarithmic Series, Sequence, Permutations and Combinations, Theory of Equations.

Linear Algebra: Vectors and Matrices, Vector Space, Subspaces, Basis, Matrix Operations, Determinants, Dimension, Rank, Nullity.

Calculus: Functions, Limits, Continuity, Differentiation of functions of one or more variables and their Extrema, Optimization, Definite and Indefinite Integrals: Integration by parts and integration by substitution, Laplace Transform.

Elements of Probability and Probability distributions.

Descriptive Statistics.