

MTH 101 ELEMENTARY MATHEMATIC I: (3 Units) (L30: P0: T0)

(ALGEBRA AND TRIGONOMETRY)

Elementary set theory, subsets, union, intersection, complements, venn diagrams. Real numbers; integers, rational and irrational numbers, mathematical induction, real sequences and series, theory of quadratic equations, binomial theorem. Matrices. Complex numbers; algebra of complex numbers; the Argand Diagram; De – Moivre's theorem, nth roots of unity. Circular measure, trigonometric functions of angles of any magnitude, addition and factor formulae.