

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Sets, Types of set, Operations on sets
Week 2	Set identities, Computer Representation of Sets (multi-sets, fuzzy sets)
Week 3	Sequences and Summations
Week 4	Properties of Integers and Applications of Number Theory
Week 5	Propositional and Logical Operations, Conditional Statements
Week 6	Mathematical reasoning and Induction, Recursive
Week 7	Mathematical proofs: Methods of Proving Theorems
Week 8	Mid-term Exam
Week 9	Relations: Properties of Relations, Operations Relations, Computer Representation of Relations
Week 10	Functions: Properties of Functions, Functions types
Week 11	Trees: Types of trees, Trees as Models, Properties of Trees
Week 12	Tree Traversal, Universal Address Systems , Traversal Algorithms
Week 13	Infix, Prefix, and Postfix Notation of tree
Week 14	Graph: Types of graphs, Some Special Simple Graphs
Week 15	Representing Graphs, Isomorphism and Isomorphic of graphs
Week 16	Preparatory week before the final Exam

