



**MADRASAH ALSAGOFF AL-ARABIAH**  
**SECONDARY MATHEMATICS**  
**END-OF-YEAR EXAMINATION**

**SECONDARY THREE**

Chapter 1	:	Standard Form
Chapter 2	:	Functions and Graphs
Chapter 3	:	Quadratic Equations and Graph
Chapter 4	:	Statistics
Chapter 5	:	Congruency and Similarity
Chapter 6	:	Trigonometry
Chapter 7	:	Matrices

The following topics will also be included:-

Chapter 1	:	Factors and Multiples
Chapter 2	:	Real Numbers
Chapter 3	:	Approximation and Estimation
Chapter 4	:	Rate, Ratio and Speed
Chapter 5	:	Percentage
Chapter 6	:	Practical Mathematics
Chapter 7	:	Introduction to Algebra, Algebraic Equations and Simple Inequalities
Chapter 8	:	Algebraic Manipulation, Expansion and Factorisation
Chapter 9	:	Angles and Parallel Lines, Geometrical Constructions
Chapter 10	:	Triangles and Polygons
Chapter 11	:	Perimeter and Areas of Plane Figures
Chapter 12	:	Coordinates and Linear Graphs
Chapter 13	:	Simple Algebraic Fractions and Solving of Equations
Chapter 14	:	Linear Equations in Two Unknowns (Simultaneous Equations)
Chapter 15	:	Linear Inequalities
Chapter 16	:	Pythagoras Theorem
Chapter 17	:	Volume and Surface Areas of Prism and Cylinder
Chapter 18	:	Mensuration of Pyramids, Cones and Spheres
Chapter 19	:	Arc Length and Area of Sector, Radian Measure
Chapter 20	:	Properties of Circle
Chapter 21	:	Proportion (Direct, Indirect and Map Scales)



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**Chemistry & Physics**

Chapter C11	:	Reactivity & Extraction
Chapter C12	:	Mole & Chemical Equations
Chapter C13	:	Atmosphere
Chapter C14	:	Fuel

Chapter P11	:	Waves
Chapter P12	:	Light
Chapter P13	:	Electromagnetic Spectrum
Chapter P14	:	Sound
Chapter P15	:	Static Electricity

The following topics will also be included:-

Chapter C1	:	Kinetic Particle Theory
Chapter C2	:	Element, Compound & Mixture
Chapter C3	:	Atomic Structure
Chapter C4	:	Experimental Design
Chapter C5	:	Separation Techniques
Chapter C6	:	Chemical Bonding
Chapter C7	:	Chemical Equations
Chapter C8	:	Periodic Table
Chapter C9	:	Metals
Chapter C10	:	Acids & Bases

Chapter P1	:	Measurements
Chapter P2	:	Mass, Weight & Density
Chapter P3	:	Turning Effect of Forces
Chapter P4	:	Pressure
Chapter P5	:	Transfer of Thermal Energy
Chapter P6	:	Kinematics
Chapter P7	:	Dynamics
Chapter P8	:	Energy, Work & Power
Chapter P9	:	Thermal Properties of Matter
Chapter P10	:	Magnetism