AY2026 Sec 3 Entrance Exam
Topics for Mathematics Paper
Duration: 2 hrs

1. Number and Algebra II

(a) Linear Graphs and Simultaneous Equations

(b) Expansion & Factorisation of Quadratic Expressions

(c) Further Expansion & Factorisation of Quadratic Expressions

(d) Algebraic Fractions and Formulae

(e) Quadratic Equations and Graphs

(f) Direct and Inverse Proportions

(g) Indices and standard form

2. Geometry and Trigonometry II

(a) Pythagoras Theorem

(b) Trigonometric Ratios

(c) Congruence and Similarity

(d) Geometrical Properties of Circles

3. Statistics and Probability II

(a) Statistical Diagrams

(b) Standard Deviation and Mean

(c) Cumulative Frequency Distribution

(d) Sets and Venn Diagram