

AY2018 Sec 3 Entrance Exam
Topics for Mathematics
(2 hrs – 80 marks)

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

2. Geometry and Trigonometry
 - (a) Trigonometric Ratios
 - (b) Congruence and Similarity
 - (c) Geometrical Properties of Circles

3. Statistics and Probability II
 - (a) Statistical Diagrams
 - (b) Standard Deviation and Mean
 - (c) Cumulative Frequency Distribution