

**FINAL EXAMINATION PORTION – MAY 2021**

**MATHEMATICS (Pure Math & Stats)**

**YEAR 12**

**PURE MATHEMATICS(CAL) – 100 MARKS - Duration (2 Hours)**

Chapter 1 – Algebraic expressions

Chapter 2 – Quadratics

Chapter 3 – Equations and inequalities

Chapter 4 – Graphs and transformations

Chapter 5 – Straight line graphs

Chapter 6 – Circles

Chapter 7 – Algebraic methods

Chapter 8 – The binomial expansion

Chapter 9 – Trigonometric ratios

Chapter 10 – Trigonometric identities and equations

Chapter 11 – Vectors

Chapter 12 – Differentiation

Chapter 13 – Integration

Chapter 14 – Exponentials and logarithms

**STATISTICS (CAL) – 100 Marks – Duration (2 Hours)**

**Book 1**

Chapter 1 – Data Collection

Chapter 2 – Measures of location and spread

Chapter 3 – Representations of data

Chapter 4 – Correlation

Chapter 5 – Probability

Chapter 6 – Statistical distributions

Chapter 7 – Hypothesis testing

**Book 2**

Chapter 1 – Regression, correlation and hypothesis testing

Chapter 2 – Conditional probability

Chapter 3 – The normal distribution