FIRST TERM EXAMINATION JANUARY 2023
YEAR 7 – MATHEMATICS PORTIONS
(NON CALCULATOR)

MARKS: 100   **TIME: 2 HOURS**

KS3 MATHS PROGRESS - DELTA 1

Unit 2 – Number Skills
2.1 – Factors, primes and multiples
2.2 – Using negative numbers
2.4 – Squares and square roots
2.5 – More powers and roots

Unit 3 – Equations, Functions and Formulae
3.1 – Simplifying algebraic expressions
3.2 – Writing algebraic expressions
3.3 – STEM: Using formulae
3.4 – Writing formulae
3.5 – Brackets and powers
3.6 – Factorising expressions

Unit 4 – Fractions
4.1 – Working with fractions
4.2 – Adding and subtracting fractions
4.3 – Fractions, decimals and percentages
4.4 – Multiplying and dividing fractions
4.5 – Working with mixed numbers

Unit 5 – Angles and shapes
5.1 – Angles and parallel lines
5.2 – Triangles
5.3 – Quadrilaterals
5.4 – Polygons

Unit 7 – Equations
7.1 – Solving one-step equations
7.2 – Solving two-step equations
7.3 – More complex equations

Unit 9 – Perimeter, area and volume
9.1 – Triangles, Parallelograms and Trapeziums
9.2 – Perimeter and area of compound shapes

Unit 3 – 2D shapes & 3D solids (Delta 2)
3.4 – Circumference of a circle
3.5 – Area of a circle

N<u>ote</u>:
Geometric Proof –
  ☐ The angles of a triangle add up to 180^0.
  ☐ Exterior angle of a triangle is equal to the sum of the two interior opposite angles.

All the works done in PPT, notebook, textbook and worksheets.