

**FINAL EXAMINATION MAY 2023**

**MATHEMATICS PORTION**

**YEAR 10**

**PAPER 1 – NON CALCULATOR – 80 MARKS - 1 ½ HOURS**

**PAPER 2 – CALCULATOR – 80 MARKS - 1 ½ HOURS**

**TEXT BOOK : EDEXCEL GCSE ( 9 – 1 )**

**MATHEMATICS HIGHER STUDENT BOOK**

- **UNIT 9 – Equations and Inequalities**
- **UNIT 10- Probability**
- **UNIT 11- Multiplicative Reasoning**
- **UNIT 12 – Similarity and Congruence**
- **UNIT 13 – More trigonometry - (only 13.5 and 13.6 )**
- **UNIT 14- Further Statistics- ( only14.1, 14.2 and 14.3)**
- **UNIT 15 – Equations and Graphs - (excluding 15.5 & Iteration)**
- **UNIT 16 – Circle theorems**
- **UNIT 18- Vectors**

**REVISION TOPICS**

- **UNIT 1 – Numbers (excluding 1.1)**
- **UNIT 2 – Algebra**
- **UNIT 3 – Interpreting and representing data**
- **UNIT 4 – Fractions and Percentages**

- **UNIT 5 – Angles and Trigonometry**
- **UNIT 6 – Graphs**
- **UNIT 7 – Area and Volume**
- **UNIT 8 – Transformation and constructions**

Please note that Formula Sheet will not be given. All the formulae need to be memorised.

Only the following formulae will be provided for students within the relevant examination Questions

Curved surface area of a cone =  $\pi r l$

Surface area of a sphere =  $4\pi r^2$

Volume of a cone =  $\frac{1}{3}\pi r^2 h$

Volume of a sphere =  $\frac{4}{3}\pi r^3$

### **GL Progress Test in Mathematics**

*GL Progress Test in Math assesses pupil's current knowledge and skills appropriate to age related expectations.*

### **GL PTM assesses**

*1. Mathematical content knowledge ( Full Year portion as given above)*

*2. Understanding and applying mathematical processes*