

FIRST TERM EXAMINATION PORTION 2023

MATHEMATICS YEAR 9

PAPER 1 NON -CALCULATOR – 80 marks - 1 hour 30 mins

PAPER 2 -CALCULATOR – 80 marks - 1 hour 30 mins

TEXT BOOK – Edexcel GCSE (9-1) Mathematics Higher

Unit 1 – Number

- 1.2 Place value and estimating
- 1.3 HCF and LCM
- 1.4 Calculating with powers (indices)
- 1.5 Zero, negative and fractional indices
- 1.6 Powers of 10 and standard form
- 1.7 Surds

Unit 2 – Algebra

- 2.1 Algebraic indices
- 2.2 Expanding and factorising
- 2.3 Equations
- 2.4 Formulae
- 2.5 Linear sequences
- 2.6 Non-linear sequences (Excluding quadratic sequences)
- 2.7 More expanding and factorising

Unit 3 - Interpreting and representing data

- 3.1 Statistical diagrams 1
- 3.2 Time series
- 3.3 Scatter graphs
- 3.4 Line of best fit
- 3.5 Averages and range
- 3.6 Statistical diagrams 2

Unit 4 – Fractions, ratio and percentages.

4.1 Fractions

4.2 Ratios

4.3 Ratio and proportion

4.4 Percentages

4.5 Fractions, decimals and percentages

Unit 5 - Angles and trigonometry

5.1 Angle properties of triangles and quadrilaterals

5.2 Interior angles of a polygon

5.3 Exterior angles of a polygon

5.4 Pythagoras' theorem 1

5.5 Pythagoras' theorem 2

5.6 Trigonometry 1

5.7 Trigonometry 2

Unit 8 – Transformations and constructions

8.2 Reflection

8.4 Transformations

(Translations)

Note:

All the work completed in textbook, notebook and worksheets.