EMS Doha Secondary
Mock Revision Guide '24-25
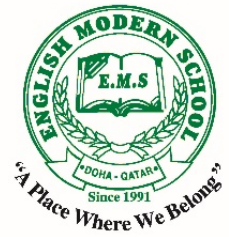
THE ENGLISH MODERN SCHOOL
المدرسة الإنجليزية الحديثة

Year: 10
SUBJECT: Mathematics Core
TEACHER(S): Ms. Marisol & Ms. Nour

REVISION INFORMATION	
Topics/Units	**Details (kognity online mathematics textbook)**
Unit 1 Number	**1.1 Integers** (1.1.1 to 1.1.6) **1.2 Fractions** (1.2.1 to 1.2.2) **1.3 Estimation, rounding and approximation** (1.3.1 to 1.3.5) **1.4 The four operations and their order** (1.4.1 to 1.4.5) **1.5 Percentages** (1.5.1 to 1.5.2) **1.6 Indices & Surds** (1.6.1, 1.6.4 & 1.6.5) **1.7 Ratio and proportion** (1.7.1 to 1.7.7) **1.8 Time and money** (1.8.1 to 1.8.4)
Unit 2 Algebra and graphs	**2.1 Algebraic manipulation** (2.1.1 to 2.1.3 & 2.1.5) **2.2 Equations** (2.2.1 to 2.2.3) **2.3 Formulas** (2.3.1 to 2.3.3) **2.4 Inequalities** (2.4.1) **2.5 Algebraic fractions** (2.5.1) **2.6 Indices** (2.6.1 to 2.6.4)
Unit 3 Coordinate geometry	**3.1 Coordinate geometry** (3.1.1) **3.2 Lines in the Cartesian plane** (3.2.1 to 3.2.4)
Unit 4 Geometry	**4.1 Angles** (4.1.1 to 4.1.3) **4.2 Construction and symmetry** (4.2.1 to 4.2.5) **4.3 Polygons** (4.3.1 to 4.3.3) **4.4 Similarity** (4.4.1 to 4.4.2) **4.5 Pythagoras Theorem** (4.5.1)
Unit 5 Mensuration	**5.1 Units** (5.1.1 to 5.1.3) **5.2 Perimeter and area** (5.2.1 to 5.2.4) **5.3 Volume and surface area** (5.3.1 to 5.3.5)
Unit 9 Statistics	**9.1 Classifying data and statistical diagrams** (9.1.1 to 9.1.3) **9.2 Mean, median and mode** (9.2.1 to 9.2.2) **9.4 Correlation** (9.4.1 to 9.4.2)

Key Coursebook: KEY TEXTBOOK: IGCSE Mathematics Kognity online book

Additional information:

- The exam will last for 1.5 hours (45 minutes paper 1 **(NON CALCULATOR)** and 45 minutes paper 3 (with calculator)).
- The exam will be based on questions from paper 1 and paper 3 IGCSE mathematics 0580.
- All revision resources are posted on Google Classroom.
- Use a **black or dark blue pen**. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- You should use a scientific calculator where appropriate.
- You may use tracing paper.
- You must show all necessary working clearly.
- Give non-exact numerical answers correct to 3 significant figures, or 1 decimal place for angles in degrees, unless a different level of accuracy is specified in the question.
- For π, use either your calculator value or 3.142.

REVISION INFORMATION	
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Unit 2 Algebra and graphs	**2.1 Algebraic manipulation** (2.1.1 to 2.1.8) **2.2 Equations** (2.2.1 to 2.2.5) **2.3 Formulas** (2.3.1 to 2.3.3) **2.4 Inequalities** (2.4.1 to 2.4.2) **2.5 Algebraic fractions** (2.5.1 to 2.5.3) **2.6 Indices** (2.6.1 to 2.6.5)
Unit 3 Coordinate geometry	**3.1 Coordinate geometry** (3.1.1 to 3.1.3) **3.2 Lines in the Cartesian plane** (3.2.1 to 3.2.8)
Unit 4 Geometry	**4.1 Angles** (4.1.1 to 4.1.3) **4.2 Construction and symmetry** (4.2.1 to 4.2.5) **4.3 Polygons** (4.3.1 to 4.3.4) **4.4 Similarity** (4.4.1 to 4.4.3) **4.5 Pythagoras Theorem** (4.5.1 to 4.5.2)
Unit 5 Mensuration	**5.1 Units** (5.1.1 to 5.1.3) **5.2 Perimeter and area** (5.2.1 to 5.2.4) **5.3 Volume and surface area** (5.3.1 to 5.3.5)

Key Coursebook: KEY TEXTBOOK: IGCSE Mathematics Kognity online book

Additional information:

- The exam will last for 1.5 hours (45 minutes paper 2 **(NO CALCULATOR)** and 45 minutes paper 4 (with calculator)).
- The exam will be based on questions from paper 2 and paper 4 IGCSE mathematics 0580.
- All revision resources are posted on Google Classroom under each unit.
- Use a **black or dark blue pen**. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
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