

**Gan Eng Seng School**  
**End of Year Examination 2023**  
**Year 3 Normal Academic**

<b>Subject</b>	<b>Format</b>	<b>Topics</b>	<b>Duration</b>
English Language	<p>PAPER ONE [70] - 35% Writing</p> <p>Section A: Editing [10] Candidates identify and edit grammatical errors in a short written text.</p> <p>Section B: Situational Writing [30] Candidates write 180–250 words on a given situation which will involve viewing a visual text.</p> <p>Section C: Continuous Writing [30] Candidates write 250–400 words on one of four topics set.</p>		1 h 50 min
	<p>PAPER TWO [50] - 35% Comprehension</p> <p>Section A [5] Candidates respond to questions based on Text 1, a visual text.</p> <p>Section B [20] Candidates respond to a variety of questions based on Text 2, which is a narrative or a recount.</p> <p>Section C [25] Candidates respond to a variety of questions based on Text 3, a non-narrative text, and write an 80-word</p>		1 h 50 min

	response to a summary writing task.		
	<p>PAPER THREE [30] - 10% Listening</p> <p>Section A [22] Candidates respond to a variety of listening tasks based on a number of audio recordings, which candidates will hear twice.</p> <p>Section B [8] Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.</p>		45 min
	<p>PAPER FOUR [30] - 20% Oral Communication The two parts in this paper are thematically linked.</p> <p>Part 1: Planned Response [15] Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen.</p> <p>Part 2: Spoken Interaction [15] Candidates engage in a</p>		20 min (including 10 min of preparation time)

	discussion with the Examiners on a topic based on the same video clip.		
Mathematics	<p>Paper 1: [70 Marks] About 23 short answer questions. Candidates are to answer ALL questions. The questions include 5-6 marks questions assessing the mathematical processes of reasoning, communication, connections, modelling and higher order thinking skills. Such questions will appear in Paper 1 or Paper 2.</p>	<p>Sec 3 topics</p> <p>Chapter 1 Algebraic Manipulation</p> <p>Chapter 2 Quadratic Equations</p> <p>Chapter 3 Graphs of Quadratic Functions</p> <p>Chapter 4 Indices</p> <p>Chapter 5 Congruence and Similarity</p> <p>Chapter 6 Coordinate Geometry</p> <p>Chapter 7 Graphs Of Power Functions and Exponential Functions (Until 7.3 Gradients of tangents)</p> <p>Chapter 8 Trigonometric Ratios</p>	<b>2 h</b>
	<p>Paper 2: [70 Marks]</p> <p>Section A – Answer ALL questions</p> <p>Contains 9 – 10 questions of varying length. The last question of 7 to 8 marks in this section focuses specifically on applying mathematics to a real-world scenario.</p> <p>Section B – Answer 1 out of 2 questions</p> <p>Questions in Section B will be based on the content below:</p> <p>Pythagoras’ theorem and trigonometry:</p> <p>* use of sine rule and cosine rule for any triangle</p> <p>Each question carries the same number of marks, that</p>	<p>Include Sec 1 &amp; 2 topics</p> <p>Simple Inequalities</p> <p>Solving simultaneous linear equations</p> <p>Expansion and Factorisation of algebraic expressions</p> <p>Map scales</p> <p>Volume and surface area of prisms, pyramids, cones, spheres and composite figures</p> <p>Probability of single events</p> <p>Statistics – Mean, mode and median</p> <p>Primes, Highest Common Factor and Lowest Common Multiple</p> <p>Percentage</p> <p>Ratio, rates (including speed)</p> <p>Include direct and inverse proportion</p> <p>Geometry</p> <p>Number patterns</p>	<b>2 h</b>

	is, either 7 or 8 marks.		
Additional Mathematics	<p>[80 Marks] About 10 – 12 questions of varying marks and lengths.</p> <p>Candidates are to answer ALL questions. The last question of 6-8 marks in this paper focusses specifically on applying mathematics to a real-world scenario</p> <p>mathematics to a real-world scenario.</p>	<p>Chapter 1 Quadratic Functions</p> <p>Chapter 2 Equations and Inequalities</p> <p>Chapter 3 Surds</p> <p>Chapter 4 Polynomials and Partial Fractions</p> <p>Chapter 7 Coordinate Geometry</p> <p>Chapter 8 Circles</p> <p>Chapter 10 Trigonometric Functions</p> <p>Chapter 11 Trigonometric Identities and Equations (until 11.5 R-formulae)</p>	2 h

Principles of Accounts	<p>Paper 1: [40 Marks]</p> <p>Candidates are to answer 4 structured questions on the question papers.</p>	<ol style="list-style-type: none"> <li>1. Introduction to Accounting</li> <li>2. Accounting information system</li> <li>3. Elements of financial stts and the accounting equation</li> <li>4. Double-entry Recording</li> <li>5. Trial balance and financial statements</li> <li>6. Revenue and other income</li> <li>7. Cost of sales and other expenses</li> <li>8. Cash</li> <li>9. Inventories</li> <li>10. Non-current assets</li> <li>11. Trade payables</li> </ol>	1 h
	<p>Paper 2: [60 Marks]</p> <p>Candidates are to answer 4 structured questions.</p> <p>One question is on the preparation of financial statements. (20 marks)</p> <p>A scenario-based question (5 marks) will be part of one of the 3 remaining questions.</p> <p>Answers to be written on writing papers.</p>		2 h
Humanities (Social Studies) (2125/01 OR 2126/01)	<p>Section A (35m)</p> <p>Candidates are to answer all 5 questions.</p> <p>Section B (15m)</p> <p>Candidates are to answer BOTH questions.</p>	<p>Section A: Source-Based Cse Study (SBCS)</p> <p>Skills tested:</p> <ol style="list-style-type: none"> <li>1. Inference</li> <li>2. Purpose</li> <li>3. Comparison</li> <li>4. Reliability</li> <li>5. Utility</li> </ol> <p>Section B: Structured-Response Question</p> <p>Issue 1: Exploring Citizenship &amp; Governance Chapters 1 - 4</p> <p>Issue 2: Living in a Diverse Society Chapters 5&amp;6</p>	1 h 45 min

Humanities (Geography) (2125/02)	Structured Essay Questions: Question 1: Geography in Everyday Life [25m] Question 2: Plate Tectonics [10m]	Topics: 1) Geography in Everyday Life 2) Plate Tectonics	1 h 15 min
Humanities (History) (2126/02)	Section A (Source Based Case Study, 30m) Candidates are to answer all questions. Section B (Structured Essay Questions, 20m) Candidates are to answer TWO OUT OF THREE questions	Chapters 1-5 (excluding 3)	1 h 50 40 min
*Design & Technology (7059)  (For D&T OSS)	Paper 1 comprises of 4 questions [80 marks] [Weighing 60% of the total marks for the subject] Candidates are required to answer all four questions  Q1 - Design (26 marks) Q2 - Structure (18 marks) Q3 - Mechanism (18 marks) Q4 - Electronics (18 marks)  Paper 2 - Coursework based (Design Journal) [Weighing 40% of the total for the subject]	<u>Item testing on Design:</u> - <u>Design Method</u> - <u>Project Management</u> - <u>Research &amp; Analysis</u> - <u>Need Definition</u> - <u>Idea Generation and Development</u> - <u>Design Communication</u> - <u>Ergonomics and Anthropometry</u>  <u>Item testing on 3 technological areas:</u> - <u>Structures,</u> - <u>Mechanisms and</u> - <u>Electronics</u>  <u>Reference:</u> <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/7059_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/7059_y23_sy.pdf</a>	2 h
Science (Physics) Normal (Academic) 5105	Paper 1: 20 compulsory multiple choice questions [20 marks] Weighting: 40 %  Paper 2: Structured and Free Response (Physics) [30 marks] Weighting: 60 % Section A will carry 22 marks and will contain a number of compulsory structured questions. The last question will carry 8 marks. Section B will carry 8 marks and will contain two	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Forces & Pressure 4. Dynamics 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes 9. General Wave Properties 11. Electromagnetic Waves	1 h 15 min

	structured questions. Candidates must answer only one out of these two.		
Science (Chemistry) Normal (Academic) 5105, 5107	Paper 3: 20 compulsory multiple choice questions [20 marks] Weighting: 40 %	1. Experimental Chemistry (1.1 & 1.2 Measurement and Experimental Techniques & 1.3 & 1.4 Purification and Separation) 2. Kinetic Particle Theory 3. Atomic Structure 4. Chemical Bonding 5. Structure & Properties of Materials (includes 5.1 Elements, Compounds and Mixtures) 6. Chemical Formulae & Equations 7. Acids and Bases 8. The Periodic Table 9. Qualitative analysis	1 h 15 min
	Paper 4: Structured and Free Response (Chemistry) [30 marks] Weighting: 60 % Section A will carry 22 marks and will contain a number of compulsory structured questions. The last question will carry 8 marks. Section B will carry 8 marks and will contain two structured questions. Candidates must answer only one out of these two.		
Science (Biology) Normal (Academic) 5107	Paper 5: 20 compulsory multiple choice questions [20 marks] Weighting: 40 %	1. Cells 2. Movement of Substances 3. Nutrients 4. Enzymes 5. Nutrition in Humans 6. Transport in Humans 7. Respiration	1 h 15 min
	Paper 6: Structured and Free Response (Biology) [30 marks] Weighting: 60 % Section A will carry 22 marks and will contain a number of compulsory structured questions. The last question will carry 8 marks. Section B will carry 8 marks and will contain two structured questions. Candidates must answer only one out of these two.		
Chinese Language	Paper 1 : 电邮 (20 分) , 作文 (40 分)	Not Applicable	2 h

	Paper 2 : 综合填空 (10 分), 阅读理解一(20 分), 阅读理解二 (30 分)	单元一 至 单元六	1 h 30 min
	Paper 3 : 听力 (20 分) / 口 试 (60 分)	Not Applicable	30 min / 15 min
Malay Language	Paper 1 : Bahagian A (20 marks): E-mel rasmi / Blog / Forum; Bahagian B (40 marks): Naratif / Ekspositori	Not Applicable	2 h
	Paper 2 : Bahagian A: Bahasa (10 marks); Bahagian B: Bahasa & Kefahaman Objektif (20 marks); Bahagian C: Kefahaman Subjektif (30 marks)	Not Applicable	1 h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks); Lisan - Bacaan & Perbualan (60 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மின்னஞ்சல் (20marks) , கட்டுரை (40marks)	Not Applicable	2 h
	Paper 2 : மரபு (5marks), கருத்துமாறா (10marks), அமைப்பு (5marks), தெரிவு (10marks), சுயவிடை (30marks)	Not Applicable	1 h 30 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி (60marks)	Not Applicable	30 min / 15 min
	* The total marks will be converted into 100%		