

<p style="text-align: center;"><b>Gan Eng Seng School</b>  <b>Preliminary Examination 2023</b>  <b>Year 4 Normal Academic</b></p>			
Subject	Format	Topics	Duration
English Language	PAPER ONE [70] - 35% Writing	All units covered from Sec 1 - 4	1 h 50 min
	PAPER TWO [50] - 35% Comprehension		1 h 50 min
	PAPER THREE [30] - 10% Listening		45 min
	PAPER FOUR [30] - 20% Oral Communication The two parts in this paper may be thematically linked.		20 min (including 10 min of preparation)
Mathematics 4045	<p>Paper 1: [70 Marks][Weighting: 50%] There will be about 25 short answer questions. Candidates are required to answer all questions.</p> <p>Paper 2: [70 Marks][Weighting: 50%] There will be 2 sections:            • Section A will contain 9 to 10 questions of varying lengths. The last question in this section will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions.            • Section B will contain 2 questions of which candidates will be required to answer only one.            • The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.            • Each question carries the same number of marks, that is, either 7 or 8 marks.</p>	<p>N1 Numbers and Algebra            N2 Ratio and Proportion            N3 Percentage            N4 Rate and Speed            N5 Algebraic Expressions and Formulae            N6 Functions and Graphs            N7 Equations and Inequalities            G1 Angles, triangles and polygons            G2 Congruence and similarity            G3 Properties of Circles            G4 Pythagoras' theorem and trigonometry            G5 Mensuration            G6 Coordinate Geometry            S1 Data handling and analysis            S2 Probability</p> <p>For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/4045_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/4045_y23_sy.pdf</a></p>	<p>2 h</p> <p>2 h</p>
Additional Mathematics 4051	<p>Paper 1: [70 Marks][Weighting: 50%] About 13 – 15 questions of varying marks and lengths. Candidates are to answer ALL questions.</p> <p>Paper 2: [70 Marks][Weighting: 50%] About 8 – 10 questions of varying marks and lengths. Candidates are to answer ALL questions.</p>	<p>A1 Quadratic functions            A2 Equations and inequalities            A3 Surds            A4 Polynomials and partial fractions            G1 Trigonometric functions, identities and equations            G2 Coordinate geometry in two dimensions            C1 Differentiation and integration</p> <p>For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/4051_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/4051_y23_sy.pdf</a></p>	<p>1h 45 min</p> <p>1h 45 min</p>
Principles of Accounts 7086	<p>Paper 1: Answer 3 to 4 compulsory structured questions. [Weighting: 40%]</p> <p>Paper 2: Answer 4 compulsory structured questions.            • One question requires the preparation of financial statements for a business for one financial year. (20 marks)            • A scenario-based question (5 marks) will be part of one of the 3 remaining questions. [Weighting: 60%]</p>	<p>Key Understanding 1: Accounting and non-accounting information are used to support and facilitate decision-making            Key Understanding 2: Accounting is a language used to represent business activities            Key Understanding 3: Accounting is an information system to measure business activities</p> <p>For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/7086_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/level/2023syllabus/7086_y23_sy.pdf</a></p>	<p>1h</p> <p>2h</p>
Humanities (Social Studies) (2175/01) OR 2176/01	<p>Section A (35m) Candidates are to answer all 5 questions.</p> <p>Section B (15m) Candidates are to answer BOTH questions.</p>	<p>Section A: Source-Based Case Study (SBCCS)            Skills tested:            1. Inference            2. Purpose            3. Comparison            4. Reliability            5. Utility            6. Evaluation            Section B: Structured-Response Question            Issue 1: Exploring Citizenship &amp; Governance            Chapters 1 - 3            Issue 2: Living in a Diverse Society            Chapters 4 - 7            Issue 3: Being Part of a Globalised World            Chapters 8-9</p>	1 h 45 min
Humanities (Geography) (2175/02)	<p>Section A (13m) - Geographical Investigations            Candidates are to answer one of 2 questions.            Section B (12m)            Candidates are to answer one compulsory question.            Section C (25m)            Candidates are to answer one of 2 questions.</p>	<p>Section A: Geographical Investigations            Topics:            1. Global Tourism            2. Variable Weather and Climate            Section B: Structured Essay Questions            Topic:            1. Global Tourism            Section C: Structured Essay Questions            Topics:            1. Living with Tectonic Hazards            2. Variable Weather and Climate</p>	1 h 40 min

Humanities (History) (2176/02)	Section A (Source Based Case Study, 30m) Candidates are to answer all questions. Section B (Structured Essay Questions, 20m) Candidates are to answer one out of two questions.	Unit 2 Chapters 1-7 (Sec 3 textbook) Unit 3 Chapters 1-2 (Sec 4 textbook)	1 h 40 min
Design & Technology (7055)	Paper 1 Written Examination (1 hour 30 minutes) [40% of the total mark for the subject.]  Candidates are to answer all questions. The questions will be design-centric. Question 1 requires knowledge application of Section 1 Design. Question 2 and Question 3 require knowledge application of Section 2 Technology, specifically mechanisms and electronics.  The mark allocation is: Question 1 : 24 out of 60 marks Question 2 and 3 : 36 out of 60 marks	Section 1 Design 1 Planning and monitoring your design project 2 Formulating your design brief and specifications 3 Generating and developing your ideas 4 Communicating your proposed design solution 5 Realising the prototype  Section 2 Technology 6 Materials 7 Control systems 8 Electronics 9 Mechanisms 10 Workshop Processes	1 h 30 min
*Design & Technology (7059)(For D&T OSS)	Paper 1 Written Examination (2 hours) [40% of the total mark for the subject.]  Candidates are to answer all questions. The questions will be design-centric. Question 1 requires knowledge application of Section 1 Design. Question 2 to Question 4 require knowledge application of Section 2 Technology; specifically structures, mechanisms and electronics.  The mark allocation is: Question 1 : 26 out of 80 marks Question 2 – 4 : 54 out of 80 marks	Section 1 Design 1 Planning and monitoring your design project 2 Formulating your design brief and specifications 3 Generating and developing your ideas 4 Communicating your proposed design solution 5 Realising the prototype  Section 2 Technology 6 Materials 7 Structures 8 Control systems 9 Electronics 10 Mechanisms 11 Workshop Processes	2 h
Science (Physics)Normal (Academic)5105	Paper 1: 20 compulsory multiple choice questions [20 marks]  Paper 2: Structured and Free Response (Physics) [30 marks] Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions.	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Dynamics 4. Mass, Weight and Density 5. Turning Effect of Forces 6. Pressure 7. Energy, Work and Power 8. Kinetic Model of Matter 9. Transfer of Thermal Energy 10. Thermal Properties of Matter 11. General Wave Properties 12. Electromagnetic Spectrum 13. Sound 14. Current of Electricity 15. D.C. Circuits 16. Practical Electricity	1 h 15 min
Science (Chemistry)Normal (Academic)5105, 5107	Paper 3: 20 compulsory multiple choice questions [20 marks] Weighting: 40%  Paper 4: Structured and Free Response (Chemistry) [30 marks] Weighting: 60% Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions.	1) Experimental Chemistry 2) The Particulate Nature of Matter 3) Formulae and the Mole Concept 4) Acids, Bases and Salts 5) The Periodic Table 6) Metals 7) Air 8) Organic Chemistry	1 h 15 min
Science (Biology)Normal (Academic)5107	Paper 5: 20 compulsory multiple choice questions [20 marks] Weighting: 40%  Paper 6: Structured and Free Response (Biology) [30 marks] Weighting: 60% Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions.	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans 8. Respiration in Humans 9. Reproduction	1 h 15 min
Chinese Language	Paper 1 : 听 (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)	Not Applicable	1 h 30 min
	Paper 3 : 听力 (20分) / 口试 (60分) : 朗读 20分, 录像会话40分	Not Applicable	30 min / 15 min
Malay Language	Paper 1 : Bahagian A (20 marks): E-mel rasmi / E-mel tidak rasmi. Bahagian B (40 marks): Deskripsi / Ekspositori / Naratif - sambung cerita / Perbincangan	Not Applicable	2 h
	Paper 2 : Bahagian A: Imbuan (10 marks), Peribahasa (5 marks), Melengkapkan teks (5 marks); Bahagian B: Kef.Objektif (10 marks); Bahagian C: Kef. Subjektif (30 marks)	Not Applicable	1 h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks); Lisan (60 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மின்னஞ்சல் (20marks) , கட்டுரை (40marks)	Not Applicable	2 h
	Paper 2 : மரபு (5marks), கருத்துமாற்றா (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%			

