

Gan Eng Seng School Preliminary Examination 2023 Year 5 Normal Academic			
Subject	Format	Topics	Duration
English Language	PAPER ONE [70] - 35% Writing	All units covered in Sec 1 - 5	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 are thematically linked.		20 min (including 10 min of preparation time)
Mathematics 4048	Paper 1: [80 Marks][Weighting: 50%] About 25 short answer questions on fundamental skills and concepts. Candidates are to answer ALL questions.	N1 Numbers and their operations N2 Ratio and Proportion N3 Percentage N4 Rate and Speed N5 Algebraic Expressions and Formulae N6 Functions and Graphs N7 Equations and Inequalities N8 Set Language and Notation N9 Matrices N10 Problems in realworld contexts G1 Angles, triangles and polygons G2 Congruence and similarity G3 Properties of Circles G4 Pythagoras' theorem and trigonometry G5 Mensuration G6 Coordinate Geometry G7 Vectors in two dimensions G8 Problems in realworld contexts S1 Data handling and analysis S2 Probability  For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4048_y23">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4048_y23</a>	2 h
	Paper 2: [100 Marks][Weighting: 50%] There will be 10 to 11 questions of varying marks and lengths testing more on higher order thinking skills. Candidates are required to answer ALL questions.		2 h 30 min
Additional Mathematics	Paper 1: [90 Marks][Weighting: 50%] 12 to 14 questions of various marks and lengths, up to 10 marks per question. Candidates are to answer ALL questions.	A1 Quadratic functions A2 Equations and inequalities A3 Surds A4 Polynomials and partial fractions A5 Binomial Expansions A6 Exponential and logarithmic functions G1 Trigonometric functions, identities and equations G2 Coordinate geometry in two dimensions G3 Proofs in plane geometry C1 Differentiation and integration  For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4049_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/4049_y23_sy.pdf</a>	2 h 15 min
	Paper 2: [90 Marks][Weighting: 50%] 9 to 11 questions of various marks and lengths, up to 12 marks per question. Candidates are to answer ALL questions.		2 h 15 min
Principles of Accounts 7087	Paper 1: [40 Marks] 3 to 4 compulsory structured questions. Candidates are to answer ALL questions.	Key Understanding 1: Accounting and non-accounting information is 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.  For more details, please refer to <a href="https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/7087_y23_sy.pdf">https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2023syllabus/7087_y23_sy.pdf</a>	1 h
	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 (7 marks) will be part of one of the 3 remaining questions. [Weighting: 60%]		2 h

Humanities (Social Studies) 2272/01 OR 2273/01	<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 Cse Study (SBCS) 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 - 11</p>	1 h 45 min
Humanities (Geography) 2272/02	<p>Section A (13m) - Geographical Investigations Candidates are to answer one of 2 questions.</p> <p>Section B (12m) - Structured Essay Questions Candidates are to answer one of 2 questions.</p> <p>Section C (25m) - Structured Essay Questions 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 Topics: 1. Global Tourism 2. Variable Weather and Climate Section C: Structured Essay Questions Topics: 1. Living with Tectonic Hazards 2. Geography of Food</p>	1 h 40 min
Humanities (History) 2273/02	<p>Section A (Source Based Case Study, 30m) Candidates are to answer all questions.</p> <p>Section B (Structured Essay Questions, 20m) Candidates are to answer one out of two questions.</p>	<p>Unit 2 Chapters 1-7 (Sec 3 textbook) Unit 3 Chapters 1-24 (Sec 4 textbook)</p>	1 h 40 min
Food & Nutrition	<p>Paper 1 (2 hours) – Written Paper This will test the candidates' knowledge of theory and practice in response to the assessment objectives. Candidates are to answer all questions in Sections A and B. Candidates are to answer three questions in Section C consisting of two compulsory questions and either part (a) or (b) of the final question.</p> <p>Section A: 5 marks (multiple-choice questions) Section B: 55 marks (short-answer-type questions and data-response-type questions) Section C: 30 marks (open-ended questions) Sub-total: 100 marks</p> <p>Paper 2 - Coursework Candidates will be given an assignment which requires a problem-solving and investigative approach, with an emphasis on experimental work. A total of 28 hours of curriculum time must be assigned to discuss, facilitate and carry out the experimental and practical work required. Assessment will focus on the research of the task; decision making; development of a plan; recording and interpreting experimental results and a methodical approach in the production and presentation of the final products. The evaluation will require candidates to conduct sensory evaluation of the dishes prepared and the outcomes of the execution process.</p> <p>Research (R) 10 marks Decision making (DM) 8 marks Investigation (INV) 8 marks - plan (6 marks) - conduct (8 marks)</p>	<p>1) Proteins 2) Carbohydrates 3) Fats 4) Vitamins 5) Minerals 6) Water 7) Dietary Fibre 8) Diet and Health Problems 9) Diet and Meal Planning 10) Meal Analysis 11) Sustainable Food Consumption 12) Convenience Food 13) Food Safety 14) Preparation and Cooking of Food 15) Methods of Cooking 16) Reactions in Food during Preparation and Cooking 17) Sensory Evaluation</p>	2 h
Science (Phy, Chem) 5076	<p>Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 20%</p>	As stated in Paper 2 & Paper 3	1 h
	<p>Paper 2: Structured and Free Response (Physics) [65 marks] Weighting: 65% Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.</p>	<p>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. Light 13. Electromagnetic Spectrum 14. Sound 15. Static Electricity 16. Current of Electricity 17. D.C. Circuits 18. Practical Electricity 19. Magnetism and Electromagnetism</p>	1 h 15 min
	<p>Paper 3: Structured and Free Response (Chemistry) [65 marks] Weighting: 65% Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.</p>	<p>1. Experimental Chemistry 2. The Particulate Nature of Matter 3. Formulae, Stoichiometry and the Mole Concept 4. Energy Changes 5. Chemical Reactions 6. Acids, Bases and Salts 7. The Periodic Table 8. Metals 9. Air 10. Organic Chemistry 11. Speed of Reaction 12. Redox Reaction 13. Atomic Structure 14. Chemical Bonding</p>	1 h 15 min
	<p>Paper 5: Practical Test [30 marks] Weighting: 15% One or two compulsory questions on each of the two Sciences.</p>	As stated in Paper 2 & Paper 3	1 h 30 min

Science (Chem, Bio) 5078	Paper 1: 40 compulsory multiple choice questions [40 marks] Weighting: 20%	As stated in Paper 3 & Paper 4	1 h
	Paper 3: Structured and Free Response (Chemistry) [65 marks] Weighting: 65% Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.	1. Experimental Chemistry 2. The Particulate Nature of Matter 3. Formulae, Stoichiometry and the Mole Concept 4. Energy Changes 5. Chemical Reactions (speed of reaction, Redox) 6. Acids, Bases and Salts 7. The Periodic Table 8. Metals 9. Air 10. Organic Chemistry 11. Atomic Structure 12. Chemical Bonding	1 h 15 min
	Paper 4: Structured and Free Response (Biology) [65 marks] Weighting: 65% Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value. Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions.	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules 4. Animal Nutrition 5. Plant Nutrition 6. Transport in Flowering Plants 7. Transport in Humans 8. Respiration 9. Co-ordination and Response 10. Reproduction 11. Molecular Genetics 12. Inheritance 13. Organisms and their environment	1 h 15 min
	Paper 5: Practical Test [30 marks] Weighting: 15% One or two compulsory questions on each of the two Sciences.	As stated in Paper 3 & Paper 4	1 h 30 min
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(40分)	Not Applicable	1 h 30 min
	Paper 3 : 听力 (20分) / 口试 (50分) : 朗读 10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): Deskriptif / Naratif / Ekspositori / Perbincangan	Not Applicable	2 h
	Paper 2 : Bahagian A: Imbuan (10 marks), Peribahasa (10 marks), Melengkapkan teks (10 marks); Bahagian B: Kef.Objektif (10 marks); Bahagian C: Kef. Subjektif (30 marks)	Not Applicable	1h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks); Lisan (50 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மின்னஞ்சல் (20marks), கட்டுரை (40marks)	Not Applicable	2 h
	Paper 2 : மரபு (10marks), கருத்துமாறா (10marks), அமைப்பு (10marks), தெரிவு (10marks), சுயவிடை(30marks)	Not Applicable	1 h 30 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி (50marks )	Not Applicable	30 min / 15 min
* The total marks will be converted into 100%			