Gan Eng Seng School
Mid-Year Examination 2022
Year 4 Normal Academic

Subject	Format	Topics	Duration
English Language	PAPER ONE [70] - 35% Writing Section A: Editing [10] Candidates identify and edit grammatical errors in a short written text. Section B: Situational Writing [30] Candidates write 180–250 words on a given situation which will involve viewing a visual text. Section C: Continuous Writing [30] Candidates write 250–400 words on one of four topics set.	Modules covered in Sec One, Sec Two and Sec Three Sec Four Modules: Ageism Science & Technology	1 h 50 min
	PAPER TWO [50] - 35% Comprehension Section A [5] Candidates respond to questions based on Text 1, a visual text. Section B [20] Candidates respond to a variety of questions based on Text 2, which is a narrative or a recount. Section C [25] Candidates respond to a variety of questions based on Text 3, a non-narrative text, and write an 80-word response to a summary writing task.		1 h 50 min
	PAPER THREE [30] - 10% Listening Section A [24] Candidates respond to a variety of listening tasks based on a number of audio recordings, which candidates will hear twice. Section B [6] Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.		45 min
	PAPER FOUR [30] - 20% Oral Communication The two parts in this paper are thematically linked. Part 1: Reading Aloud [10] Candidates read aloud a short text. Part 2: Spoken Interaction [20] Candidates engage in a discussion with the examiners on a topic based on a visual stimulus.		20 min (including 10 min of preparation time)
Mathematics	Paper 1: [80 Marks][Weighting: 50%] There will be about 25 short answer questions. Candidates are required to answer all questions.	1 NUMBERS AND ALGEBRA 1.1 Numbers and the four operations 1.2 Ratio, rate and proportion 1.3 Percentage 1.4 Speed 1.5 Algebraic representation and formulae 1.6 Algebraic manipulation 1.7 Functions and graphs 1.8 Solutions of equations and inequalities 1.9 Applications of mathematics in practical situations 2 GEOMETRY AND MEASUREMENT 2.1 Angles, triangles and polygons 2.2 Congruence and similarity 2.4 Pythagoras' theorem and trigonometry 2.5 Mensuration 2.6 Coordinate geometry 3 STATISTICS AND PROBABILITY 3.1 Data handling 3.2 Data analysis 3.3 Probability	2 h
	Paper 2: [80 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.		2 h
Additional Mathematics	Paper 1: [80 Marks]About 10 - 12 questions of varying marks and lengths. Answer ALL questions. The last question of 6-8 marks in this paper focuses specifically on applying mathematics to a real-world scenario.	Chapter 1 Equations and Inequalities Chapter 2 Surds and Indices Chapter 3 Polynomials Chapter 5 Binomial Theorem Chapter 6 Points,Lines and Shapes Chapter 9 Parabolas and Circles Chapter 11 Trigonometric Functions Chapter 12 Simple Trigonometric Identities and Equations Chapter 13 Further Trigonometric Identities Chapter 15 Differentiation Chapter 16 Tangents, Normals and Rates of Change Chapter 18 Maxima and Minima Chapter 18 Integration (Only 18.1 & 18.2)	2h
Principles of Accounts	Paper 1: [40 Marks] Answer 3 to 4 compulsory structured questions.	Section 1: The Roles of Accounting 1.1 Accounting and Book-keeping 1.2 Roles of Accounting 1.3 Stakeholders 1.4 Professional Ethics 1.5 Profit-making Entities 1.6 Accounting Theories Section 2: The Accounting Information System 2.1 Elements of Financial Statements 2.2 Double entry Recording 2.3 Accounting Equation 2.4 Journal Entry 2.5 Ledger Account 2.6 Accounting System and Accounting Cycle 2.7 Source Documents	1 h
	Paper 2: [60 Marks] Section A (48 marks) Answer 3 compulsory structured questions. One question will be on the preparation of financial statements, which carries 24 marks. The remaining two questions average 12 marks. Section B (12 marks) Answer any 1 out of 2 structured questions.	2.8 Journals 2.9 Cash Book 2.10 Special Journals 2.11 General Journal 2.12 Petty Cash Book 2.13 General and Subsidiary Ledgers 2.14 Trial Balance 2.15 Bank Reconciliation Section 3: Elements of the Financial Statements 3.1 Sales Revenue, Other Income, Cost of Sales and Expenses 3.2 Balance Day Adjustments 3.3 Trade Receivables 3.4 Inventories 3.5 Trade Payables 3.6 Control Accounts 3.7 Capital and Revenue Expenditure 3.8 Non-current Assets 3.9 Long-term Borrowings 3.10 Correction of Errors Section 4: The Financial Statements 4.1 Balance Sheet 4.2 Income Statement Section 5: Business Entities 5.1 Sole proprietorship	2 h
Humanities (Social Studies) (2175/01 OR 2176/01)	Section A (35m) Candidates are to answer all 5 questions. Section B (15m) Candidates are to answer BOTH questions.	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 & 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	1 h 45 min
Humanities (Geography) (2175/02)	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.	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	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 comprises of Part A & Part B. [35% of the total marks for the subject] Part A [40% of the total marks of the paper – 28 out of 70 marks.] Five questions requiring short answers. Candidates are to answer all questions. Part B [60% of the total marks of the paper – 42 out of 70 marks.] Candidates are required to answer two out of three questions	Part A: Item testing on Design: - Design Method - Project Management - Research - Need Definition - Idea Generation and Development - Realisation Plan - Sustainability - Design & Technology in Society - Design Communication - Ergonomics and Anthropometry Part B: Item testing on 2 technological areas: - Mechanisms and - Electronics	1 h 30 min
*Design & Technology (7055) (For D&T OSS)	Paper 1 comprises of Part A & Part B. [35% of the total marks for the subject] Part A [40% of the total marks of the paper – 40 out of 100 marks] Five questions requiring short answers. Candidates are to answer ALL questions. Part B [60% of the total marks of the paper – 60 out of 100 marks] Candidates are required to answer all three questions	Part A: Item testing on Design: - Design Method - Project Management - Research - Need Definition - Idea Generation and Development - Realisation Plan - Sustainability - Design & Technology in Society - Design Communication - Ergonomics and Anthropometry Part B: Item testing on 3 technological areas: - Structures, - Mechanisms and - Electronics	2 h
Science (Physics) Normal (Academic) 5105	Paper 1: 20 compulsory multiple choice questions [20 marks]	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
	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.		
Science (Chemistry) Normal (Academic) 5105, 5107	Paper 3: 20 compulsory multiple choice questions [30 marks] Weighting: 40%	1) Kinetic particle theory 2) Apparatus, equipment and experimental techniques 3) Separation and purification 4) Elements compounds and mixture 5) Atomic structure 6) Chemical bonding 7) Chemical formula, Mole concept and stoichiometry 8) Acids Bases and Salts 9) Metals 10) The periodic table 11) Atmosphere and environment 12) Organic chemistry (only alkane and alkene)	1 h 15 min
	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.		
Science (Biology) Normal (Academic) 5107	Paper 5: 20 compulsory multiple choice questions [20 marks] Weighting: 40%	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
	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.		
Chinese Language	Paper 1: 阅读 (20分) , 作文 (40分)	Not Applicable	2 h
	Paper 2: 听力理解 (10分), 阅读理解一(20分), 阅读理解二 (20分)	Not Applicable	1 h 30 min
	Paper 3: 听力 (20分) / 口试 (60分) ; 朗读 (10分) , 谈话会话(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 / Eksposisi / Naratif – sambung cerita / Pilihan cerita Paper 2 : Bahagian A: Imbuhan (10 marks), Pembahasa (5 marks), Melengkapkan teks (5 marks); Bahagian B: Kef Objektif (10 marks), Bahagian C: Kef. Subjektif (30 marks)	Not Applicable	2 h 1 h 30 min
	Paper 3 : Kefahaman Mendengar (20 marks), Lisan (60 marks)	Not Applicable	30 min / 15 min
Tamil Language	Paper 1 : மதிப்பீடுகூறல் (20marks) , கடித்தொகை (40marks)	Not Applicable	2 h
	Paper 2 : மரபுப் பகுப்பு (5marks), சுருக்கத்தலைப்பு (10marks), குறிச்சொல் (5marks), பெருவிகு (10marks), கடப்பகிர்வு (20marks)	Not Applicable	1 h 30 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி (40marks)	Not Applicable	30 min / 15 min

* The total marks will be converted into 100%