Qiao Eng Seng School
Mid Year Examination 2023
Sec 2 Express

Subject	Paper	Syllabus	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 200-250 words on a given situation which will involve dealing a visual text. Section C: Continuous Writing [30] Candidates write 350-400 words on one of four topics set.	Modules covered in Sec One, Sec Two and Sec Three Modules: Hyman Science & Technology	1 h 50 min
	PAPER TWO (50) - 25% 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 discourse. 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) - 15% Listening Section A [10] Candidates respond to a variety of listening tasks based on a number of audio excerpts, which candidates will hear twice. Section B [5] Candidates listen to an audio excerpt and do a simple note-taking exercise. Candidates will hear the recording only once.		35 min
	PAPER FOUR (50) - 25% 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 [38] Candidates engage in a discussion with the examiners on a topic based on a visual stimulus.		30 min including 10 min of preparation time
Mathematics	Paper 1 (50 Marks)[Weighting: 60%] About 25 short answer questions on fundamental skills and concepts. Candidates are to answer ALL questions. Paper 2 (40 Marks)[Weighting: 40%] There will be 10 to 11 questions of varying marks and The last question in this paper will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions.	**1 NUMBERS AND ALGEBRA** 1.1 Numbers and their operations 1.2 Ratio and proportion 1.3 Percentage 1.4 Rate and Speed 1.5 Algebraic expressions and formulae 1.6 Functions and graphs 1.7 Equations and inequalities 1.8 Set language and notation 1.9 Matrices 1.10 Problems in real-world contexts **2 GEOMETRY AND TRIGONOMETRY** 2.1 Angles, triangles and polygons 2.2 Congruence and similarity 2.3 Properties of circles 2.4 Pythagoras' Theorem and Trigonometry 2.5 Mensuration 2.6 Coordinate Geometry **3 STATISTICS AND PROBABILITY** 3.1 Data analysis 3.2 Probability	2h. 2 h 30 min
Additional Mathematics	Paper 1: (80 Marks)[Weighting: 40%] 11 to 13 questions of various marks and lengths testing most or the fundamental skills and concepts. Candidates are to answer ALL questions. Paper 2: (100 Marks)[Weighting: 50%] 9 to 11 questions of various marks and lengths. The last question of the marks in this paper focuses specifically on applying mathematics to a real world scenario. Candidates are to answer ALL questions.	**ALGEBRA** Equations and inequalities Surds Polynomials and Partial Fractions Binomial expansion Exponential and logarithmic, and trigonometric functions **GEOMETRY AND TRIGONOMETRY** Trigonometric functions,identities and equations Coordinate geometry in two dimensions. CALCULUS **Differentiation and Integration** Include 17.1 and 17.3	2 h 30 min
Principles of Accounts	Paper 1 (40 Marks) 2 hr 4 compulsory structured questions. Candidates are to answer ALL questions. Paper 2: (60 Marks) Section A (40 marks) 3-4 compulsory structured questions. One question will be on the preparation of financial statement, Other questions will be on The remaining two questions average 14 marks. Candidates are to answer ALL questions. Section B (12 marks) Candidates are to answer any 1 out of 2 structured questions.	Accounting and its role in Stakeholders' Decision-making Process 1.1. Roles of accounting and accountants 1.2 Accounting information for decision-making needs Analysis of Financial Statements for Decision-making 1.3 Financial statements analysis 1.3.1 Profitability 1.3.2 Liquidity 1.3.3 Efficiency Accounting 2.1 Types of businesses 2.2 Forms of business ownerships Measurement and Recording of Business Activities 2.3 Elements of financial statements 2.4 Accounting equation 2.5 Financial statements 2.5.1 Statement of Financial Position 2.5.2 Statement of Financial Performance 2.6 Accounting Cycle 2.6.1 Revenue and other income 2.6.2 Cost of sales and other expenses 2.7 Ledgers 2.7.1 Cash in hand and cash at bank 2.7.2 Inventories 2.7.3 Trade receivables 2.7.4 Non-current assets 2.8 Liabilities 2.8.1 Trade payables 2.8.2 Long-term borrowings 2.9 Equities 2.9.1 Share and share capital 2.9.2 Drawings 2.9.3 Transfer of profit/loss for the year and retained earnings Correction of Errors 2.10 Correction of errors Accounting Principles and Principle 3.1 Accounting Review Accounting Information System and Accounting Cycle 3.2 Accounting information system and accounting cycle 3.3 Understanding double-entry recording system 3.4 Internal controls	1.5 2 h
Humanities (Social Studies) (2272/01) OR (2272/02)	Section A: (30m) Candidates are to answer all 5 questions. Section B: (30m) Candidates are to answer BOTH questions.	Section A: Source-Based Civic 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 - 6 Issue 3: Being Part of a Globalised World Chapters 8 - 10	1 h 45 min
Humanities (Geography) (2272/03)	Section A (20m) - Geographical Investigations Candidates are to answer one of 2 questions. Section B (20m) - Structured/Essay Questions Candidates are to answer one compulsory question. Section C (20m) - Structured/Essay Questions Candidates are to answer one compulsory question.	Section A: Geographical Investigations Topics: 1. Global Tourism 2. 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	1 h 40 min
Humanities (History) (2272/03)	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 3 Chapters 1-7 (Sec 3 textbook) Unit 3 Chapters 1-3 (Sec 4 textbook)	1 h 40 min
History (2170)	For 2170/01 (European Dominance and Challenges) AND 2170/02 (The Bi-Polar World Order) 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.	For 2170/01: Unit 1, Chapters 2, 4 AND Unit 2 Chapters 1, 4 For 2170/02: Unit 3, Chapters 1-4	
Design & Technology (7048)	Paper 1 comprises of Part A & Part B; (50% of the total marks for the subject) Part A (50% of the total marks of the paper – 60 out of 100 marks) Five questions requiring short answers. Candidates are to answer ALL questions. Part B (50% 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 Part A: Item testing - Design - Project Management - Research - Idea Generation - Idea Generation and Development - Realisation Plan - Production - Design & Technology in Society - Design Communication - Ergonomics and Anthropometry Part B: Item testing on 3 technological areas: - Electronics - Mechanics and - Electronics	2 h
Art 6123	Paper 2: Drawing and Painting (100m) Weighting: 40% Candidates will: - Respond to one of the six themes given - Submit preparatory studies based on given requirements	Not Applicable	3 h
Biology 5090	Paper 1: 40 compulsory multiple choice questions (40 marks) Weighting: 37.5%	As stated in paper 2	1 h
	Paper 2: Structured and Free Response (80 marks) Weighting: 62.5% Section A (40 marks): All structured questions are compulsory. Section B (40 marks): The first two questions are compulsory questions, one of which will be a data-based question. The last question will be presented in an essay form.	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. Gas Exchange in Humans 10. Homeostasis 11. Co-ordination and Response 12. Reproduction 13. Cell Division 14. Molecular Genetics 15. Inheritance 16. Ecology	1 h 45 min
Chemistry 6092	Paper 1: 40 compulsory multiple choice questions (40 marks) Weighting: 37.5%	As stated in paper 2	1 h
	Paper 2: Structured and Free Response (80 marks) Weighting: 62.5% Section A (40 marks): All structured questions are compulsory. Section B (40 marks): The first two questions are compulsory questions, one of which will be a data-based question. The last question will be presented in an essay form.	1) Kinetic particle theory 2) Measurement and experimental techniques 3) Separation and purification 4) Atomic structure and Atomic and Ionic 5) Atomic structure 6) Chemical bonding 7) Mole concept (Mole concept and stoichiometry 8) Acids Bases and Salts 9) Redox reaction 10) Metals 11) The periodic table 12) Energy changes 13) Rate of reaction 14) Organic chemistry (alkanes & alkenes & alcohols) 15) Electrolysis 16) Ammonia	1 h 45 min
Physics 6091	Paper 1: 40 compulsory multiple choice questions (40 marks) Weighting: 37.5%	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Dynamics 4. Turning Effect of Forces 5. Turning Effect of Forces 6. Pressure 7. Energy, Work and Power 8. Kinetic Model of Matter 9. Transfer of Thermal Energy 10. Transfer of Thermal Energy 11. Thermal Properties of Matter 12. General Wave Properties 13. Light 14. Electromagnetic Spectrum 15. Sound 16. Static Electricity 17. Current Electricity 18. D.C. Circuits 19. Practical Electricity 20. Magnetism 21. Electromagnetism	1 h
	Paper 2: Structured and Free Response (Physics) (80 marks) Weighting: 62.5% Section A: (40 marks) Section A will carry 40 marks and will contain a number of compulsory structured questions of variable mark value Section B: (40 marks) Section B will consist of two question-three questions, each of 20 marks. Candidates are required to answer any two questions.		1 h 45 min
Science (Phy, Chem) 6076	Paper 1: 40 compulsory multiple choice questions (40 marks) Weighting: 25 %	As stated in Paper 2 & Paper 3	1 h
	Paper 2: Structured and Free Response (Physics) (80 marks) Weighting: 65% Section A: will carry 45 marks and will contain a number of compulsory structured questions of variable mark value Section B: (35 marks) Section B will consist of two question-three questions, each of 20 marks. Candidates are required to answer any two questions.	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Dynamics 4. Energy, Work and Power 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 Electricity 17. D.C. Circuits 18. Practical Electricity 19. Magnetism and Electromagnetism	1 h 15 min
	Paper 3: Structured and Free Response (Chemistry) (35 marks) Weighting: 35% Section A: will carry 25 marks and will contain a number of compulsory structured questions of variable mark value Section B: (10 marks) Section B will consist of two question-three questions, each of 10 marks. Candidates are required to answer any two questions.	1. Measurement and experimental techniques 2. The Particulate Nature of Matter 3. Separation Techniques 4. Atomic structure, Compounds and mixtures 5. Atomic Structure 6. Chemical Bonding (ionic and covalent) 7. Mole concept, Stoichiometry and the Mole Concept 8. Chemical Equations 9. Energy Changes 10. Acids, Bases and Salts 11. Redox 12. Metals 13. The Periodic Table 14. Organic Chemistry (Salts, alkanes and alkenes) 15. Speed of Reaction	1 h 15 min
	Paper 5: Practical Test (20 marks) Weighting: 10% One or two compulsory questions on each of the two Sciences.	As stated in Paper 2 & Paper 3	1 h 30 min
Chinese Language	Paper 1: 阅读 (40分) 作文 (40分)	Not Applicable	2 h
	Paper 2: 听力测试 (20分) 阅读理解一 (20分) 阅读理解二(20分)	Not Applicable	1 h 30 min
	Paper 3: 综合 (20分) 口试 (40分) - 朗读 (10) 会话及反应(30)	Not Applicable	40 min / 15 min
Higher Chinese	Paper 1: 阅读 (40分) 作文 (40分)	Not Applicable	2 h
	Paper 2: 听力测试 (20分) 修辞测试 (10分) 阅读理解一 (20分) 阅读理解二 (20分) 文言阅读 (10分)	Not Applicable	1 h 20 min
	Paper 3: 口试 (40分)	Not Applicable	55 min
Malay Language	Paper 1 : Bahagian A (20 markah) 30 soal opsi (1 soal satu markah) Bahagian B (20 markah) Gelombang / Nasah / Bunyian / Pembacaan	Not Applicable	2 h
	Paper 2 : Bahagian A: Imbuhan (20 markah), Pendaftaran (10 markah) Bahagian B: Kata Majmuk (10 markah) Bahagian C: Ungkapan (10 markah) Bahagian D: Kata Pinjaman (10 markah)	Not Applicable	35 /30 min
	Paper 3 : Kefahaman Mendengar (20 markah) Lisan (50 markah)	Not Applicable	30 min / 20 min
Tamil Language	Paper 1 : பகுதி(மொழி) (30markah), கூட்டுப் பகுதி (30markah)	Not Applicable	2 h
	Paper 2 : பகுப்பு (30markah), கேள்வி&கூறுபடுத்தி (30markah), குறிப்பெடுப்பு (30markah), கூட்டுப்பகுதி (30markah), கூட்டுப்பகுதி (30markah)	Not Applicable	1 h 30 min
	Paper 3 : நேரடி உரையாடல் (30markah), தொடர்பியல் (30 markah)	Not Applicable	30 min / 20 min
	* The SEAB STARS will be Excluded for Tiers Tiers.		