

Yio Chu Kang Secondary School

2022 Mid-Year Examination



Sec 4NA	Subject: English		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Paper 1: Writing Editing Situational Writing Continuous Writing	Paper 1 (1 h 50 min) Section A Section B Section C (Choose 1 out of 4)	Total: 70 marks (45%) 10 marks 30 marks 30 marks
	Paper 2: Comprehension Text 1: Visual Text Text 2: Narrative Text Text 3: Information Text	Paper 2 (1 h 50 min) Section A Section B Section C	Total: 50 marks (45%) 5 marks 20 marks 25 marks
	Paper 3: Listening	Paper 3 (approximately 45 min)	Total: 30 marks (10%)
	Paper 4: Oral Communication Reading Aloud Spoken Interaction	Paper 4 (approximately 20 min) Part 1 Part 2	Total: 30 marks 10 marks 20 marks (marks will be used for End of Year Exam calculation)

Sec 4NA	Subject: E Math		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	(Textbook 4A) Chapter 1: Applications of Trigonometry Chapter 2: Arc Lengths, Sector Areas and Radian Measure Chapter 3: Data Analysis - Measures of Spread Chapter 4: Probability All Sec 3 topics Lower Secondary topics	Paper 1 (2 h) There will be about 25 short answer questions.	80 marks (50 %)
		Paper 2 (2 h) Section A 9 to 10 questions of varying lengths. The last question will focus specifically on applying mathematics to a real-world scenario. Section B 2 questions will be required to answer only one.	60 marks (50%)

Sec 4NA	Subject: Science (Physics)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Measurement Chapter 2: Kinematics Chapter 3: Forces & Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effect of Forces Chapter 6: Energy, Work and Power Chapter 7: Kinetic Model of Matter Chapter 8: Transfer of Thermal Energy Chapter 9: Thermal Properties of Matter Chapter 10: Waves Chapter 11: Electromagnetic Waves Chapter 12: Sound Chapter 13: Current Electricity Chapter 14: DC Circuits Chapter 15: Practical Electricity	Paper 1 20 MCQs	Total: 20 marks 20 marks
		Paper 2 Section A Structured Questions Section B: Choose 2 out of 3 questions. (8 marks per question)	Total: 30 marks 14 marks 16 marks

Sec 4NA	Subject: Science (Chemistry)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Kinetic Particle Theory Chapter 2: Measurement and Experimental Techniques Chapter 3: Separation and Purification Chapter 4: Elements, Compounds and Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations Chapter 8: The Mole Chapter 9: Acids and Bases Chapter 10: Salts Chapter 11: Metals Chapter 12: The Periodic Table Chapter 13: The Atmosphere and Environment	Paper 3 20 MCQ (20 marks) Paper 4 Section A (14 marks) Section B (16 marks) - Choose two out of three questions	Total : 50 marks Paper 3: 20 marks Paper 4: 30 marks

Sec 4NA	Subject: Science (Biology)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Textbook Ch 02: Cells Ch 03: Movement of Substances Ch 04: Nutrients Ch 05: Enzymes Ch 06: Nutrition in Humans Ch 07: Nutrition in Plants Ch 08: Transport in Humans Ch 09: Transport in Plants Ch 10: Respiration in Humans Ch 12: Reproduction in Plants Ch 13: Reproduction in Humans	Paper 5 (30 min) 20 MCQ Paper 6 (45 min) Section A Structured Qns Section B Choose 2 out of 3 questions	Total: 20 marks 20 marks Total: 30 marks 14 marks 16 marks

Sec 4NA	Subject: Art		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Not Applicable	Paper 1 (Coursework in Semester 1) Class Assignments	Total: 100 marks (60%)
	Drawing and Painting via Form and Tonal Values.	Paper 2 (3 hr) 1. Question paper is to be given three weeks before the Examination. 2. Students are to respond to one of six themes issued on an A3 sized paper. 3. Preparatory studies (Research, Sketches, Design Layout, Mock up of final work) of three to five A3 sized sheets of paper must be submitted together with the final work for assessment.	Total: 100 marks (40%) The five assessment domains are: 1. Investigation and Interpretation of Theme (15 marks) 2. Exploration and Development of Theme (15 marks) 3. Aesthetic Qualities (25 marks)

Sec 4NA	Subject: Humanities (History)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Sec 3 Chapter 1: Impact of World War I in Europe Sec 3 Chapter 2: Stalin's Soviet Union Sec 3 Chapter 3: Hitler's Germany Sec 3 Chapter 4: Outbreak of World War II in Europe Sec 3 Chapter 5: Germany's defeat in World War II Sec 3 Chapter 6: Outbreak of World War II in the Asia Pacific Sec 3 Chapter 7: Japan's defeat in World War II	Duration: 1h 40 min Section A Source-based Question (5 sub-questions) Section B Structured Essay Question (2 sub-questions)	Total: 50 marks Section A - 30 marks Section B - 20 marks
	Sec 4 Chapter 1: Reasons for the Cold War in Europe Sec 4 Chapter 2: The Korean War		

Sec 4NA	Subject: Humanities (Social Studies)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Chapter 1 -What does it mean for me to be a citizen of my country? Chapter 2 - How do we decide what is good for society? Chapter 3 - How can we work for the good of society? Chapter 4 - What is diversity? Chapter 5 - Why is there greater diversity in Singapore now? Chapter 6 - What are the experiences and effects of living in a diverse society? Chapter 7 - How can we respond in a diverse society? Chapter 8 - What does it mean to live in a globalised world? Chapter 9 - How do we respond to tensions arising from some economic impacts of globalisation?	Duration: 1h 45 mins Section A Source-based Question (5 sub-questions) Section B Structured Reponse Question (2 sub-questions)	Total: 50 marks Section A - 35 marks Section B - 15 marks

Sec 4NA	Subject: Humanities (Geography)		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Sec 3: Chapter 1 - Living with tectonic hazards Sec 3: Chapter 2 - Variable weather and changing climate Sec 3: Chapter 3 - Geographical skills and investigations Sec 4: Chapter 1 - Global Tourism	Duration: 1h 40 min Section A - Structured Questions (Geographical Investigations) based on the topic of Global Tourism OR Variable Weather and Changing Climate. (Choose 1 out of 2 questions) Section B - Structured question will be set based on the topic of Global Tourism. (Compulsory with no option) Section C - Structured Questions based on the topic of Living with Tectonic Hazards AND/OR Variable Weather and Changing Climate. (Choose 1 out of 2 questions)	Total: 50 marks Section A: 13 marks (26%) Section B: 12 marks (14%) Section C: 25 marks (50%)

Sec 4NA	Subject: MTL		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
Chinese/Malay /Tamil	Paper 1 - Writing Email (Informal/Formal), Descriptive, Narrative, Expository	Paper 1 (2 h) Section A (Choose 1 question) Section B (choose 1 question)	Total: 60 marks (30%) 20 marks 40 marks
Chinese	Paper 2 - Language & Comprehension Cloze Passage Objective Comprehension Subjective Comprehension	Paper 2 (1 h 30 min) - Answer all questions. Section A - MCQ Section B - MCQ Section C - OE	Total: 60 marks (30%) 10 marks 20 marks 30 marks
Malay/Tamil	Paper 2 - Language & Comprehension Grammar Comprehension - Graphic Stimulus Subjective Comprehension	Paper 2 (1 h 30 min) - Answer all questions. Section A - FIB Section B - MCQ Section C - OE	Total: 60 marks (30%) 20 marks 10 marks 30 marks
Chinese/Malay /Tamil	Paper 3 - Oral	Paper 2 (approximately 20 mins)	Total: 60 marks (30%)
	Paper 3 - Listening Comprehension 10 questions MCQ	Paper 3 (30 min)	Total: 20 marks (10%)
Chinese B	Paper 1 - Writing	Paper 1 (50 min) - Computer-Based	Total: 20 marks (20%)
	Paper 2 - Language & Comprehension	Paper 2 (1 hour) - MCQ	Total: 30 marks (30%)
	Paper 3 - Oral	Paper 3 (approximately 20 min)	Total: 30 marks (30%)
	Paper 3 - Listening Comprehension	Paper 3 (30 min) - MCQ	Total: 20 marks (20%)

Sec 4NA	Subject: POA		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Introduction to Accounting Chapter 2: Accounting Information System Chapter 3: Elements of Financial Statements and the Accounting Equation Chapter 4: Double-entry Recording Chapter 5: Trial Balance and Financial Statements Chapter 6: Revenue and Other Income Chapter 7: Cost of Sales and Other Expenses Chapter 8: Cash Chapter 9: Inventories Chapter 10: Trade Receivables Chapter 11: Non-current Assets Chapter 12: Trade Payables Chapter 13: Long-term Borrowings Chapter 14: Equities Chapter 15: Correction of Errors Chapter 17: Scenario-based Questions	Paper 1 (1 h) 3-4 Compulsory Structured Questions	40%
	Chapter 1: Introduction to Accounting Chapter 2: Accounting Information System Chapter 3: Elements of Financial Statements and the Accounting Equation Chapter 4: Double-entry Recording Chapter 5: Trial Balance and Financial Statements Chapter 6: Revenue and Other Income Chapter 7: Cost of Sales and Other Expenses Chapter 8: Cash Chapter 9: Inventories Chapter 10: Trade Receivables Chapter 11: Non-current Assets Chapter 12: Trade Payables Chapter 13: Long-term Borrowings Chapter 14: Equities Chapter 15: Correction of Errors Chapter 17: Scenario-based Questions	Paper 2 (2 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 (5 marks) will be part of one of the 3 remaining questions.	60%

Sec 4NA	Subject:Additional Mathematics		
	Topic tested in Mid-Year Exam	Format of Paper	Marks (Weightings)
	Sec 3 Work - Chpt 1 Quadratic Functions - Chpt 2 Equations & Inequalities - Chpt 3 Surds - Chpt 4 Polynomials, Cubic Equations & Partial Fractions - Chpt 7 Coordinate Geometry	Paper 1 (1 h 45 min) Answer all questions	70 marks (50%)
	-Sec 4 Work - Chpt 9 Trigonometric Functions & Graphs - Chpt 10 Trigonometric Equations & Identities - Chpt 11 Gradients, Derivatives & Differentiation Techniques - Chpt 12 Applications of Differentiations	Paper 2 (1 h 45 min) Answer all questions	70 marks (50%)