

Yio Chu Kang Secondary School
2023 End OF Year Examination



Sec 3E	Subject: English		
	Topic tested in EOY 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 (35%) 10 marks 30 marks 30 marks
	Paper 2: Comprehension Texts 1 and 2: Visual Text Text 3: Narrative Text Text 4: Non-narrative Text	Paper 2 (1 h 50 min) Section A Section B Section C	Total: 50 marks (35%) 5 marks 20 marks 25 marks
	Paper 3: Listening	Paper 3 (approximately 45 min)	30 marks (10%)
	Paper 4: Oral Communication Planned Response	Paper 4 (approximately 10 min) Part 1	Total: 15 marks (20%) 15 marks
Sec 3E	Subject: Mathematics		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Secondary Three Topics: Chapter 1 Quadratic and Fractional Equations Chapter 2 Simultaneous Linear Inequalities Chapter 3 Indices and Standard Form Chapter 4 Coordinate Geometry Chapter 6 Further Trigonometry Chapter 7 Applications of Trigonometry Chapter 8 Arc Lengths, Sector Areas and Radian Measures Chapter 9 Congruence and Similarity Tests Chapter 10 Area and Volume of Similar Figures and Solids Lower Secondary Topics (TYS): Topic 1 Numbers and their Operations Topic 2 Ratio and Proportion Topic 3 Percentage Topic 4 Rate and Speed Topic 5 Algebraic Expressions and Formulae Topic 11 Angles and Triangles (excluding Polygons) Topic 15 Mensuration	Paper 1 (2 h 15 min) There will be about 25 short answer questions. Paper 2 (2 h 15 min) There will be 10 to 11 questions of varying marks and lengths. The last question in this paper will focus specifically on applying mathematics to a real-world scenario.	Total: 90 marks (50%) Total: 90 marks (50%)
Sec 3E	Subject: Biology		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	1. Cell Structure and its Function 2. Movement of Substances 3. Biological Molecules (Nutrients and Enzymes) 4. Nutrition in Humans 5. Transport in Humans 6. Respiration in Humans 7. Excretion in Humans 8. Homeostasis	Paper 1 (45 min) 30 MCQ Paper 2 (1 h 30 min) Section A Section B (1 either/or question)	Total: 30 marks (30%) 30 marks Total: 70 marks (70%) 60 marks 10 marks
Sec 3E	Subject: Chemistry		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chap 1. Experimental Chemistry Chap 2. Kinetic Particle Theory Chap 3. Atomic Structure Chap 4. Chemical Bonding Chap 5. Structure and Properties of Materials Chap 6. Chemical Formulae and Equations Chap 7. Mole Concept and Stoichiometry Chap 8. Acids and Bases Chap 9. Salts Chap 11. Qualitative Analysis	Paper 1 (45 min) 30 MCQ Paper 2 (1 h 30 min) Section A - Structured Qns (compulsory) Section B - 10 marks (2 choose 1)	Total: 30 marks (30%) 30 marks Total: 70 marks (70%) 60 marks 10 marks

Sec 3E	Subject: Physics		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Textbook Chapter 01 - Measurement Chapter 02 - Kinematics Chapter 03 - Dynamics I (Mass & Weight) Chapter 04 - Dynamics II (Forces) Chapter 05 - Turning Effects of Forces Chapter 06 - Pressure Chapter 07 - Energy Chapter 08 - Kinetic Particle Model of Matter Chapter 09 - Thermal Processes Chapter 11 - General Wave Properties I: Introduction	<u>Paper 1 (45 min)</u> 30 MCQ <u>Paper 2 (1 h 30 min)</u> Section A Section B (1 either/or question)	<u>Total: 30 marks (30%)</u> 30 marks <u>Total: 70 marks (70%)</u> 60 marks 10 marks
Sec 3E	Subject: Science (Physics)		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Textbook Ch 1. Physical Quantities, Units & Measurement Ch 2. Kinematics Ch 3. Forces and Pressure Ch 4. Dynamics Ch 5. Turning Effects of Forces Ch 6. Energy Ch 7. Kinetic Particle Model of Matter Ch 8. Thermal Processes	<u>Paper 1 (30 min)</u> 20 MCQ <u>Paper 2 (1 h 15 min)</u> Section A: Structured Qns Section B: Choose 1 out of 2 questions	<u>Total: 20 marks (13.75%)</u> <u>Total: 65 marks (36.25%)</u> 55 marks 10 marks
Sec 3E	Subject: Science (Chemistry)		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chap 1. Experimental Chemistry Chap 2. Kinetic Particle Theory Chap 3. Atomic Structure Chap 4. Chemical Bonding Chap 5. Structure and Properties of Materials Chap 6. Chemical Formulae and Equations Chap 7. Mole Concept and Stoichiometry Chap 8. Acids and Bases Chap 9. Qualitative Analysis	<u>Paper 1 (30 min)</u> 20 MCQ <u>Paper 3 (1 h 15 min)</u> Section A: Structured Qns Section B: Choose 1 out of 2 questions	<u>Total: 20 marks (13.75%)</u> <u>Total: 65 marks (36.25%)</u> 55 marks 10 marks
Sec 3E	Subject: Science (Biology)		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chap 1. Cell Structure and its Function Chap 2. Movement of Substances Chap 3. Biological Molecules Chap 4. Enzymes Chap 5. Nutrition in Humans Chap 6. Transport in Humans Chap 7. Respiration in Humans	<u>Paper 1 (30 min)</u> 20 MCQ <u>Paper 4 (1 h 15 min)</u> Section A: Structured Qns Section B: Choose 1 out of 2 questions	<u>Total: 20 marks (13.75%)</u> <u>Total: 65 marks (36.25%)</u> 55 marks 10 marks
Sec 3E	Subject: MTL		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
Chinese/ Malay/ Tamil	<u>Paper 1 - Writing</u> Email (Informal/Formal), Descriptive, Narrative, Expository	<u>Paper 1 (2 h)</u> Section A (Choose 1 question) Section B (choose 1 question)	<u>Total: 60 marks (30%)</u> 20 marks 40 marks
Chinese	<u>Paper 2 - Language & Comprehension</u> Grammar / Cloze Passage Objective Comprehension - Multi Choice Subjective Comprehension	<u>Paper 2 (1 h 30 min)</u> Section A: FIB / MCQ Section B: MCQ Section C: OE	<u>Total: 70 marks (35%)</u> 24 marks 16 marks 30 marks
Malay/ Tamil	<u>Paper 2 - Language & Comprehension</u> Grammar / Cloze Passage Comprehension - Graphic Stimulus Subjective Comprehension	<u>Paper 2 (1 h 30 min)</u> Section A: FIB Section B: MCQ Section C: OE	<u>Total: 70 marks (35%)</u> 30 marks 10 marks 30 marks
Chinese/ Malay/ Tamil	<u>Paper 3 - Listening Comprehension</u> 10 questions	<u>Paper 3 (30 min)</u> MCQ	<u>Total: 20 marks (10%)</u>
Chinese/ Malay/ Tamil	<u>Paper 3- Oral</u> Reading Conversation based on video stimulus	<u>Paper 3- Oral (Approximately 20min)</u> Reading Conversation based on video stimulus	<u>Total: 50 marks (25%)</u> 10 marks 40 marks
Chinese B	<u>Paper 1 - Writing</u> Email or Picture Composition	<u>Paper 1 (50 min) - Computer-based</u> Choose 1 question	<u>Total: 20 marks (35%)</u>
	<u>Paper 2 - Language & Comprehension</u> Grammar Comprehension - Graphic Stimulus Objective Comprehension	<u>Paper 2 (1 h) - MCQ</u> Section A Section B Section C	<u>Total: 30 marks (45%)</u> 10 marks 10 marks 10 marks
	<u>Paper 3 - Listening Comprehension</u> 10 questions	<u>Paper 3 (30 min)</u> MCQ	<u>Total: 20 marks (20%)</u>
	<u>Paper 3- Oral</u> Reading Conversation based on video stimulus	<u>Paper 3- Oral (Approximately 20min)</u> Reading Conversation based on video stimulus	<u>Total: 30 marks (30%)</u> 10 marks 20 marks

Sec 3E	Subject: Additional Mathematics		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Quadratic Equations Chapter 2: Equations and Inequalities Chapter 3: Surds Chapter 4: Polynomials, Cubic Equations and Partial Fractions Chapter 6: Exponential and Logarithmic Functions Chapter 7: Coordinate Geometry Chapter 9: Trigonometric Functions and Graphs	<u>Paper 1 (2 h 15 min)</u> There will be 12– 14 questions of varying marks and lengths.	<u>90 marks (100%)</u>
Sec 3E	Subject: Art		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Not Applicable	<u>Paper 1</u> (Class Assignments in Semester 2)	<u>Total: 100 marks (30%)</u>
	Paper 2 Drawing and Painting	<u>Paper 2 Drawing & Painting (3 h)</u> 1. Question paper is to be given three weeks before the Examination. 2. Students are to respond to one of the 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.	<u>Total: 100 marks (70%)</u> 1. Investigation and Interpretation of Theme (20 marks) 2. Exploration and Development of Theme (20 marks) 3. Aesthetic Qualities (20 marks) 4. Control of Materials & Technical Processes (20 marks) 5. Personal Response (20 marks)
Sec 3E	Subject: Design and Technology		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Section 1: Design Section 2: Technology Structures Mechanisms Electronics	<u>Paper 1 (2 h)</u> Question 1 requires knowledge application of Section 1 Design. Question 2 to 4 require knowledge application of Section 2 Technology - specifically structures, mechanisms and electronics.	<u>Total: 80 marks (40%)</u> Question 1: 26 marks Question 2 to 4: 54 marks
	Not Applicable.	<u>Paper 2 (Coursework in Semester 2)</u> Design Project	<u>Total: 100 marks (60%)</u>
Sec 3E	Subject: Nutrition and Food Science		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Proteins Chapter 2: Carbohydrates Chapter 3: Fats Chapter 7: Diet and Health Problems Chapter 8: Diet and Meal Planning Chapter 9: Meal Analysis Chapter 13: Reactions in Food Chapter 14: Sensory Evaluation	<u>Paper 1 (2 h)</u> Section A: multiple choice questions Section B: short-answer-type questions and data-response-type questions Section C: open-ended questions	<u>Total: 100 marks (40%)</u> Section A: 15 marks Section B: 55 marks Section C: 30 marks
	Not Applicable.	<u>Paper 2 (Coursework in Semester 2)</u>	<u>Total: 100 marks (60%)</u>
Sec 3E	Subject: Geography		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Cluster 1: Geography in Everyday Life Cluster 4: Tectonics	<u>Duration: 1 h 45 min</u> Section A: Cluster 1 Section B: Cluster 4	<u>Total: 50 marks (50%)</u> Section A: 25 marks Section B: 25 marks
Sec 3E	Subject: History		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1 The Paris Peace Conference and the League of Nations in the 1920s Chapter 2 Case Study of Nazi Germany Chapter 3 Case Study of Militarist Japan Chapter 4 The Outbreak of World War II in Europe	<u>Duration: 1 h 50 min</u> Section A: Source-based Case Study (compulsory) Section B: Structured Essay Questions (Choose 2 out of 3 questions)	<u>Total: 50 marks (50%)</u> Section A: 30 marks Section B: 20 marks

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