

Yio Chu Kang Secondary School
2022 EOY Examination



Sec 3NT	Subject: English Language Syllabus T		
	Topics tested in EOY Exam	Format of Paper	Marks (Weightings)
	Paper 1: Writing Editing Situational Writing Continuous Writing	Paper 1 (1 h 20 min) Section A Section B Section C	Total: 70 marks (30%) 10 marks 30 marks 30 marks
	Paper 2: Language Use and Comprehension Language Use Reading Comprehension	Paper 2 (1 h 20 min) Section A Section B	Total: 60 marks (40%) <u>20 marks</u> <u>40 marks</u>
	Paper 3: Listening	Paper 3 (approximately 45 min)	Total: 20 marks (10%)
	Paper 4: Oral Communication Reading Aloud Spoken Interaction	Paper 4 (approximately 20 min) Part 1 Part 2	Total: 40 marks (20%) 15 marks 25 marks
Sec 3NT	Subject: Science		
	Topics tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1: Energy and its Uses Chapter 2: Energy Transfer through Waves Chapter 3: Effects of Forces Chapter 6: Sources of Food Chapter 7: Food Chemistry Chapter 8: Digestion Chapter 9: Breathing	Paper 1 (1 h) 40 MCQ Paper 2 (1 h 15 min) Structured Questions	Total: 100 marks (100%) Paper 1 - 40 marks Paper 2 - 60 marks
Sec 3NT	Subject: Smart Electrical Technology		
	Topics tested in EOY Exam	Format of Paper	Marks (Weightings)
	Paper 1 : Written Chapter 1: ELECTRICAL PRINCIPLES AND CIRCUITS Chapter 1.1: Electrical Safety Chapter 1.2: Electric Circuits Chapter 1.3: Electric Circuit Laws Chapter 1.4: Electric Circuit Connections Chapter 1.5: Power and Energy in an Electrical Circuit Chapter 1.6: Electric Power Sources Chapter 1.7: Electrical Hazards and Protection Chapter 1.8: Electrical Cables Chapter 1.9: Electrical Test Instruments Chapter 1.10: Conventional Lighting Circuits Chapter 1.11: Electrical Supply Systems	Paper 1 (1 h) 30 MCQ	Total: 30 marks (30%)
	Paper 2: Practical Electrical Principles & Conventional Lighting which requires students to perform measurements using a multimeter, design a conventional lighting circuit, and then connect up the conventional lighting circuit using a pre-built training kit.	Paper 2 (1 h 20 min) <u>Part A - 15 min</u> <u>Part B - 35 min</u> <u>Part C - 30 min</u>	Total: 132 marks (70%)

Sec 3NT	Subject: CPA		
	Topics tested in EOY Exam	Format of Paper	Marks (Weightings)
	Paper 1: Written Computer Fundamentals (CPF) Document Processing (DOP) Media Computing (MEC) Media Elements (MEL) Multimedia Communication (MMC) Spreadsheets (SST)	Paper 1 (1 h 15 min) MCQ Structured	Total: 60 marks (30%) MCQ: 20 marks Structured: 40 marks
	Paper 2: Practical Computer Fundamentals (CPF) Document Processing (DOP) Media Computing (MEC) Media Elements (MEL) Multimedia Communication (MMC) Spreadsheets (SST)	Paper 2 (1 h 30 min) 2 problem scenarios	Total: 70 marks (35%)
	Paper 3: Practical Spreadsheet(SST) Media Computing(MEC)	Paper 3 (1 h 30 min) Problem scenerio	Total: 70 marks (35%)
Sec 3NT	Subject: Design and Technology		
	Topic tested in EOY Exam	Format of Paper	Marks (Weightings)
	Section 1: Design Section 2: Technology Mechanisms Electronics	Paper 1 (1 h) Question 1 to 3 require knowledge application of Section 1 Design. Question 4 and 5 require knowledge application of Section 2 Technology - specifically mechanisms and electronics.	Total: 50 marks (40%) Question 1 to 3: 18 marks Question 4 to 5: 32 marks
	Not Applicable.	Paper 2 (Coursework in Semester 2) Design Project	Total: 100 marks (60%)
Sec 3NT	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 4: Vitamins Chapter 5: Minerals Chapter 9: Meal Analysis Chapter 10: Convenience Food	Paper 1 (1 h 30 min) Section A: multiple choice type questions Section B: short-answer type questions Section C: structured type questions	Total: 80 marks (40%) Section A: 16 marks Section B: 32 marks Section C: 32 marks
	Not Applicable.	Paper 2 (Coursework in Semester 2)	Total: 100 marks (60%)
Sec 3NT	Subject: MTL		
Basic Chinese Basic Malay Basic Tamil	Topics tested in EOY Exam	Format of paper	Marks (Weightage)
	Paper 1 - Language & Comprehension Grammar / Cloze Passage Comprehension - Graphic Stimulus	Paper 1 (50 min) Section A - MCQ/FIB Section B - MCQ/OE	Total: 30 marks (30%) 10 marks / 14 marks (CL) 20 marks / 16marks (CL)
	Paper 2 - Oral Reading and Conversation	Paper 2 (approximately 20 min) Reading Conversation based on video stimulus	Total: 50 marks (50%) 50 marks
	Paper 3 - Listening Comprehension 10 questions	Paper 3 (30 min) MCQ	Total: 20 marks (20%)

Sec 3NT	Subject: Mathematics		
	Topics tested in EOY Exam	Format of Paper	Marks (Weightings)
	Chapter 1 - Indices & Standard Form Chapter 2 - Map Scales Chapter 3 - Algebraic Expansion, Fractions, and Expression for the nth Term of a Number Sequence Chapter 4 - Factorisation and Formulas Equations Chapter 5 - Arc Lengths and Sector Areas Chapter 6 - Pyramids, Cones and Spheres Chapter 7 - Cumulative Frequency Chapter 8 - Graphs of Linear Equations Lower Sec topics: Sec 2 Chapter 12 - Prisms and Cylinders Topic 1 - Numbers and their Operations Topic 2 - Ratio and Proportions Topic 3 - Percentage Topic 4 - Rate and Speed Topic 5 - Angles, Triangles and Polygons Topic 6 - Symmetry, Congruence and Similarity Topic 7 - Data Analysis Topic 8 - Problems Derived from Real-world context	<p>Paper 1 (1 h 30 min)</p> <p>11–13 short questions carrying 2–4 marks largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context.</p> <p>Students to answer all questions which will cover topics from the following strands</p> <ul style="list-style-type: none"> • Number and Algebra • Geometry and Measurement • Real-World Contexts related to Number and Measurement <p>Paper 2 (1 h 30 min)</p> <p>11–13 short questions carrying 2–4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context.</p> <p>Student to answer all questions which will cover topics from the following strands</p> <ul style="list-style-type: none"> • Number and Algebra • Statistics and Probability • Real-World Contexts related to Number 	50 marks (Weighting 50%) 50 marks (Weighting 50%)