

## 2023 CONSOLIDATED TOPICS FOR GRADED ASSESSMENT 3 (SEC 3)

### Design & Technology

Subject	Stream	Content	Skill	Format
Design & Technology	3G3, 3G2	Mechanisms and Electronics		Mechanisms (20m) Electronics (20m)

### Nutrition & Food Science

Subject	Stream	Content	Skill	Format
Nutrition & Food Science (NFS)	3NT	Chap 2- Carbohydrate Chap 4-Vitamins Chap 5-Minerals Chap 12-Prep & Cooking of Cereals, Fruits & Vegetables Chap 13-Microwave Cooking	Recall Comprehension Application	Sect A: MCQ (10m) Sect B: Short-answer (13m) Sect C: Structured (12m) Total: 35 marks

## English & English Literature

Subject	Stream	Content	Skill	Format
English Language	3G3	Editing + Comprehension Text 4 (including summary)	Grammar Close reading skills	Editing (10m) Comprehension (25m)
English Language	3G2	Editing + Comprehension Text 4 (including summary)	Close reading skills Grammar	Editing (10m) Comprehension (25m)
English Language	3G1	Editing + Continuous Writing (Descriptive)	Descriptive writing skills Grammar	Editing (10m) Continuous writing (30m)
Literature in English	3G2	Boom by Jean Tay	Essay Question	2 questions, choose 1
Literature in English	3G3	Boom by Jean Tay	Essay Question	2 questions, choose 1

## Geography / History / Social Studies

Subject	Stream	Content	Skill	Format
Elective Geography	3G2/ 3G3	<u>Geography in Everyday Life</u> Topics: 2.1 and 2.4 Topic 3.3 <u>Tectonics</u> Topic 1.1	Geographical Investigation Data Analysis Evaluate data collection Describe from Figure Explain content	20 marks structured questions
Pure Geography	3G3	<u>Tectonics</u> Topic 1 and Topic 2	Describe Describe distribution Explain Evaluate	20 marks Structured Questions
Elective History	3G2	Hitler's Nazi Germany	Message Purpose Comparison Reliability	25 marks SBQ
	3G3	Hitler's Nazi Germany	Message Purpose Comparison Reliability	25 marks SBQ
Social Studies	3G2/ 3G3	Diversity: Chapter 6	Inference Purpose Comparison SRQ 7	17 marks Source based case study  8 marks Structured response question

**Mathematics / Add Mathematics / Computer Applications (CPA) / Computing/POA**

<b>Subject</b>	<b>Stream</b>	<b>Content</b>	<b>Format</b>
Mathematics	3G3	Chapter 6: Further Trigonometry Chapter 7: Applications of Trigonometry Chapter 8: Arc length, Sector Area and Radian Measure	Total mark: 35 Duration: 50 min
Mathematics	3G2	Chapter 5: Graphs of Functions and Graphical Solutions Chapter 6: Trigonometry Chapter 7.1: Sine and Cosine of Obtuse Angles Chapter 7.2: Area of Triangle (using trigonometry)	Total mark: 35 Duration: 50 min
Mathematics	3G1	Chapter 5: Arc Length and Sector Area Chapter 6: Volume and surface area of pyramids, cones and spheres Chapter 7: Cumulative Frequency	Total mark: 35 Duration: 50 min
Additional Mathematics	3G3	Chapter 6: Exponential and Logarithmic Functions Chapter 7: Coordinate Geometry	Total mark: 35 Duration: 50 min
Computing	3G3	1. Chapter 4: How do I write Programs? 2. Chapter 5: How can Programs Be Used to Solve Problems? 3. Chapter 6: How Do I Ensure That a Program Works as Intended?	Duration: 1hr  Practical assessment  3 programming questions  (20 marks)
POA	3G3	Chapter 8: Cash Chapter 9: Inventories	Duration: 50 min  Short-answer questions [35m]
POA	3G2	Chapter 8: Cash Chapter 9: Inventory	Duration: 50 min  Short-answer questions [35m]
CPA	3G1	NIL	

## Science

Subject	Stream	Topics	Format
Biology	3G3	Chapter 5: Nutrition in Humans Chapter 12: Nutrition & Transport in Plants	Sec A: MCQ (5m) Sec B: Short-answered (20m) Sec C: Free response (10m)
Physics	3G3	Chapter 4: Turning Effects of Forces Chapter 5: Pressure Chapter 6: Energy Chapter 7: Kinetic Particle Model of Matter	
Chemistry	3G3	Chapter 8: Acids and Bases Chapter 11: Qualitative analysis (Test for gases) Chapter 9: Salts	
Science (Physics)	3G3	Chapter 4: Dynamics Chapter 5: Turning Effects of Forces Chapter 6: Energy Chapter 7: Kinetic Particle Model of Matter	Sec A: MCQ (5m) Sec B: Short-answered (20m) Sec C: Free response (10m)
Science (Chemistry)	3G3	Chap 6: Chemical Formulae and Equations Chap 8: Acids and Bases Chap 9: Qualitative Analysis – Test for gases Chap 11: The Periodic Table	
Science (Biology)	3G3	Chapter 5: Nutrition in Humans Chapter 9: Nutrition & Transport in Plants	
Science (Physics)	3G2	Chapter 3: Force and Pressure Chapter 4: Dynamics Chapter 5: Energy Chapter 6: Kinetic Particle Model of Matter	
Science (Chemistry)	3G2	Chap 6: Chemical Formulae and Equations Chap 8: Acids and Bases Chap 9: Qualitative Analysis – Test for gases Chap 11: The Periodic Table	
Science	3G1	Chap 2: Electricity Chap 9: Digestion Chap 10: Breathing	

## Mother Tongue

Subject	Stream	Content	Skill	Format
Chinese Express	3G3	Lesson 10 - 13	Vocabulary, Comprehension and Writing	1. Vocabulary (Fill in Blanks) 2. Sentence Construction 3. Comprehension 4. Writing (Given Theme)
Chinese NA	3G2	Lesson 10 - 13	Vocabulary, Comprehension and Writing	1. Vocabulary (Fill in Blanks) 2. Sentence Construction 3. Comprehension 4. Writing (Given Theme)
Chinese NT	3G1	Lesson 10 - 13	Vocabulary, and Comprehension	1. Vocabulary 2. Complete the sentence 3. Comprehension 4. Cloze passage (Given Theme)
Chinese CLB	3G3 / G2	Lesson 10 - 13	Vocabulary, and Comprehension	1. Vocabulary 2. Complete the sentence 3. Comprehension 4. Cloze passage (Given Theme)
Malay Express	3G3	Comprehension	Reading Comprehension Skills	10 questions Total: 30 marks
Malay NA	3G2	Comprehension	Reading Comprehension Skills	8 questions Total: 30 marks
Malay NT	3G1	Unit 4 - 5  Kata Sendi Nama Kosa Kata Kefahaman MCQ	Language Use • Grammar • Vocabulary • Comprehension MCQ	MCQ Section A: Kata Sendi Nama (10m) Section B: Kosa Kata (10m) Section C: Kefahaman MCQ (10m) Total: 30 marks

Tamil Express	3G3	Comprehension MCQ Grammar Language	Language Use <ul style="list-style-type: none"> <li>• Grammar</li> <li>• Vocabulary</li> <li>• Comprehension MCQ</li> </ul>	Idioms - (10m) Error editing (10m) Close passage (10m) MCQ comprehension (10m) Total 40 marks
Tamil NA	3G2	Comprehension MCQ Grammar Language	Language Use <ul style="list-style-type: none"> <li>• Grammar</li> <li>• Vocabulary</li> <li>• Comprehension MCQ</li> </ul>	Idioms - (5m) Error editing (10m) Close passage (5m) MCQ comprehension (10m) Total 30 marks
Tamil NT	3G1	Paper - 1	Language Use <ul style="list-style-type: none"> <li>• Grammar</li> <li>• Vocabulary</li> <li>• Comprehension MCQ</li> </ul>	MCQ Comprehension 30 Marks