## SEC 1 EXPRESS

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
1	English Language	50 mins	Paper 2 Section A: Visual Text (5 marks) Section B: Comprehension (20 marks)	NA
2	Mother Tongue (CL)	50 mins	Section A: Fill in the blanks (4 questions, total 8 marks) Section B: Sentence Construction (4 questions, total 12 marks) Section C: Comprehension (open-ended) (20 marks)	Vocabulary from TB chapters 1&2
2a	Mother Tongue (HCL)	50 mins	Section A: Fill in the blanks (5 questions, total 10 marks) Section B: Sentence editing (5 questions, total 10 marks) Section C: Comprehension (open-ended) (20 marks)	Vocabulary from TB chapters 1-3
3	Mother Tongue (ML)	50 mins	Section A: Proverbs (10 marks) Section B: Comprehension & Vocabulary (30 marks)	Proverbs from Unit 1 to Unit 3 (for section A)
4	Mathematics	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Ch 1: Factors & Multiples Ch 2: Real Numbers Ch 3: Approximation & Estimation Ch 4.1: Introduction to Algebra Ch 4.2: Simplification of Linear Expression Ch 4.3: Expansion of Linear Expressions
5	Science	50 mins	Section A: 10 MCQ (10 marks) Section B: Structured questions (30 marks)	Ch 2: Exploring Diversity of Matter by its Physical Properties (Section 2.3, 2.4, 2.5 only) Ch 3: Exploring Diversity of Matter by its Chemical Composition Ch 4: Exploring Diversity of Matter using Separation Techniques
6	Literature	50 mins	Passage-Based Questions for RSITM (15 marks) + Seen Poetry (10 marks)	Red Sky In The Morning by Elizabeth Laird (Chapters 1-4) Paper Planes by Kenneth Wee
7	History	50 mins	Section A (15 marks): Source-Based Case Study Section B (10 marks): Structured Questions	Chapter 2: How did Singapore become a British trading post? Chapter 3: How did British rule and external developments affect Singapore's growth as a port city from 1819 to 1942?

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
1	English Language	50 mins	Paper 2 Section A: Visual Text (5 marks) Section B: Comprehension (20 marks)	NA
	English Language (NA SBB)	50 mins	Paper 2 Section A: Visual Text (5 marks) Section B: Comprehension (20 marks)	NA
2	Mother Tongue (CL)	50 mins	Section A: Fill in the blanks (5 questions, total 10 marks) Section B: Cloze passage (5 questions, total 10 marks) Section C: Comprehension (open-ended) (15 marks)	Vocabulary from TB chapters 1&2
2a	Mother Tongue (CL) (SBB)	50 mins	Section A: Fill in the blanks (4 questions, total 8 marks) Section B: Sentence Construction (4 questions, total 12 marks) Section C: Comprehension (open-ended) (20 marks)	Vocabulary from TB chapters 1&2
3	Mother Tongue (ML)	50 mins	Section A: Proverbs (10 marks) Section C: Comprehension & Vocabulary (30 marks)	Proverbs from Unit 1 to Unit 3 (for section A)
За	Mother Tongue (ML) (SBB)	50 mins	Section A: Proverbs (10 marks) Section B: Comprehension & Vocabulary (30 marks)	Proverbs from Unit 1 to Unit 3 (for section A)
4	Mathematics	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Chap 2 Real Numbers Chap 3 Approximation and Estimation Chap 4 Basic Algebra and Algebraic Manipulations
4a	Mathematics (SBB)	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Ch 1: Factors & Multiples Ch 2: Real Numbers Ch 3: Approximation & Estimation Ch 4.1: Introduction to Algebra Ch 4.2: Simplification of Linear Expression Ch 4.3: Expansion of Linear Expressions
5	Science	50 mins	Section A: 16 MCQ (10 marks) Section B: Structured questions (24 marks)	Chapter 2: Exploring diversity of matter by its physical properties (only density component tested) Chapter 3: Exploring Diversity of matter by its chemical composition Chapter 4: Exploring diversity of matter using separation techniques

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
5a	Science (SBB)	50 mins	Section A: 10 MCQ (10 marks) Section B: Structured questions (30 marks)	Ch 2: Exploring Diversity of Matter by its Physical Properties (Section 2.3, 2.4, 2.5 only) Ch 3: Exploring Diversity of Matter by its Chemical Composition Ch 4: Exploring Diversity of Matter using Separation Techniques
6	Literature	50 mins	Passage-Based Questions for RSITM (15 marks) + Seen Poetry (10 marks)	Red Sky In The Morning by Elizabeth Laird (Chapters 1-4) Paper Planes by Kenneth Wee
7	History	50 mins	Section A (15 marks): Source-Based Case Study Section B (10 marks): Structured Questions	Chapter 2: How did Singapore become a British trading post? Chapter 3: How did British rule and external developments affect Singapore's growth as a port city from 1819 to 1942?

## **SEC 1 NORMAL TECHNICAL**

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
1	English Language	50 mins	Paper 2 Comprehension II (30 marks)	NA
1a	English Language (NT SBB)	50 mins	Paper 2 Section A: Visual Text (5 marks) Section B: Comprehension (20 marks)	NA
2	Mother Tongue (BCL)	35 mins	Listening Comprehension (10 questions, total 20 marks)	NA
2a	Mother Tongue (CL) (SBB)	50 mins	Section A: Fill in the blanks (5 questions, total 10 marks) Section B: Cloze passage (5 questions, total 10 marks) Section C: Comprehension (open-ended) (15 marks)	Vocabulary from TB chapters 1&2
3	Mother Tongue (BML)	50 mins	Listening Comprehension (10 questions, total 20 marks)	NA
3a	Mother Tongue (ML) (SBB NA)	50 mins	Section A: Proverbs (10 marks) Section B: Comprehension & Vocabulary (30 marks)	Proverbs from Unit 1 to Unit 3 (for section A)
4	Mathematics	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Chapter 2: Four Operations Chapter 3: Ratio Chapter 4A: Percentage
5	Science	50 mins	Section A: 15 MCQ (15 marks) Section B: Structured questions (20 marks)	Chpt 6: Matter Chpt 8: Air pollution Chpt 9: Cells
5a	Science (SBB)	50 mins	Section A: 16 MCQ (10 marks) Section B: Structured questions (24 marks)	Chapter 2: Exploring diversity of matter by its physical properties (only density component tested) Chapter 3: Exploring Diversity of matter by its chemical composition Chapter 4: Exploring diversity of matter using separation techniques
6	Computer Applications	NA	Coursework given for a duration of 2 weeks (4 April to 13 April)	Inkscape

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 1h 50min		NIL
		Paper 2: 1h 50	Paper 1 Section A - Editing (10 marks)	
		min	Paper 1 Section B - Situational Writing (30 marks)	
		Paper 3:	Paper 1 Section C - Continuous Writing (30 marks)	
		Approximately 50		
		min	Paper 2	
		Paper 4: Refer to	Paper 2 Section A - Structured Questions on	
		Schedule	Visual Text (5 marks)	
1	English Language		Paper 2 Section B - Structured Questions on	
'	English Language		Narrative Text (20 marks)	
			Paper 2 Section C - Structured Question on Non-	
			narrative Text (25 marks)	
			Paper 3 - Listening Comprehension (30 marks)	
			Paper 4 - Oral Communications (30 marks)	
			Planned Response (15 marks)	
			Spoken Interaction (15 marks)	
		Paper 1: 2h	Paper 1 [60 marks]	Paper 1:
			A) Email writing (2 choose 1) (20 marks)	
		Paper 2: 1 h 30min	B) Essay writing (3 choose 1) (40 marks)	Narrative Essay and Stimulus-response Essay
		Paper 3:	Paper 2 [70 marks]	Paper 2:
		- Oral (refer to	A) Fill in the blanks (4 questions, total 4 marks)	Vocabulary from TB chapters 1&2
		schedule)	B) Vocabulary selection (4 questions, total 4 marks)	
2	Mother Tongue (CL)	- Listening	C) Sentence construction/completion (4 questions, total	Formal and Informal Email Narrative Essay and Stimulus-response Essay Paper 2: Vocabulary from TB chapters 1&2
		Comprehension	12 marks)	
		35min	D) Cloze passage (5 questions, total 10 marks) E) Comprehension (MCQ + open-ended) (10 marks)	
			F) Comprehension (open-ended) (30 marks)	
			, , z (open ended) (oo mane)	
			Oral [50 marks]	
			Listening Comprehension [20 marks]	

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	-	Paper 1: 2h Paper 2: 1 h 45min	Paper 1 [80 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (60 marks)	Paper 1 Formal and Informal Email Narrative Essay
2a	Mother Tongue (HCL)	Paper 3: Oral (refer to schedule)	Paper 2 [80 marks] A) Fill in the blanks (5 questions, total 5 marks) B) Vocabulary selection (5 questions, total 5 marks) C) Sentence construction/completion (2 questions, total 6 marks) D) Cloze passage (5 questions, total 10 marks) E) Sentence editing (5 questions, total 10 marks) F) Comprehension (MCQ) (10 marks) G) Comprehension (open-ended) (34 marks) Oral [40 marks]	Paper 2 Vocabulary from TB chapters 2&3
3	Mother Tongue (ML)	Paper 1: 2h Paper 2: 1h 30min Paper 3: -Oral (refer to schedule) - Listening Comprehension: 35min	Paper 1 [60 marks] A) Response writing (20 marks) B) Essay writing (2 choose 1) (40 marks)	Paper 1: Response Writing, Descriptive/Expository/Narrative Essay Paper 2: Proverbs up to unit 2.

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
4	Mathematics	P1: 1 hr 30 mins P2: 1 hr 30 mins	Paper 1:About 16 to 17 short answer questions testing more on fundamental skills and concepts. Students are required to answer ALL questions. [60 marks]  Paper 2: About 4 to 5 questions of varying marks and lengths testing more on higher order thinking skills and 1 question on Problems in Real-World Context.  Students are required to answer ALL questions. [60 marks]	Sec 2 Topics: Chapter 2: Linear Equations in Two Variables Chapter 3: Expansion and Factorisation of Algebraic Expression Chapter 4: Algebraic Fractions and Formulae Chapter 5: Quadratic Functions, Graphs and Equations  Sec 1 Topics: Real Numbers Approximation and Estimation Angles and Parallel Lines Angles, Quadrilaterals and Other Polygons Rate, Ratio and Speed Sequences and Number Patterns
5	Science	2 h	Section A (30 marks): Multiple Choice Questions Section B (40 marks): Structured Questions Section C (30 marks): Free Response Questions	Chapter 8: Atoms and Molecules Chapter 9: Applications of Forces and Transfer of Energy Chapter 10: Transfer of Heat Energy and Its Effects Chapter 11: Chemical Changes Chapter 12: Interactions Within Ecosystems (12.3 and 12.4)
6	Literature	1 h 15 min	Section A (25 marks): Short Answer Questions Section B (25 marks): Passage Based Questions	Don't Know Don't Care A Monster Calls Chapters 1-4
7	Geography	1 hr 15 min	Section A (10 marks): Geographical Investigation Skills Section B (26 marks): Structured Response Questions	Chapter 8: Housing and its Spatial Distribution Chapter 9: Sustainable Development of Housing
8	History	1 hr 15 min	Section A (17 marks): Source-Based Case Study Section B (20 marks): Structured Questions	Chapter 6: What did the people in Singapore experience during the Japanese Occupation? Chapter 7: How did the people in Singapore respond to British Rule after World War Two?

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)	NIL
1	English Language		Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Nonnarrative Text (25 marks)	
			Paper 3 - Listening Comprehension (30 marks)	
			Paper 4 - Oral Communications (30 marks) Planned Response (15 marks) Spoken Interaction (15 marks)	

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)	NIL
1a	English Language (SBB)		Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Nonnarrative Text (25 marks)  Paper 3 - Listening Comprehension (30 marks)  Paper 4 - Oral Communications (30 marks) Reading Aloud (10 marks) Spoken Interaction (20 marks)	
2	Mother Tongue (CL)	<ul><li> Oral (refer to schedule)</li><li> Listening Comprehension</li><li>35min</li></ul>	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)  Paper 2 [60 marks] A) Vocabulary selection (4 questions, total 8 marks) B) Sentence completion (4 questions, total 12 marks) C) Cloze passage (5 questions, total 10 marks) D) Comprehension (MCQ) (10 marks) E) Comprehension (open-ended) (20 marks)  Oral [60 marks] Listening Comprehension [20 marks]	Paper 1: Informal Email Narrative Essay and Completing Essay with given starter Paper 2: Vocabulary from TB chapters 1&2

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 2h Paper 2: 1 h 30min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)	Paper 1: Formal and Informal Email Narrative Essay and Stimulus-response Essay
2a	Mother Tongue (CL) (SBB)	- Listening Comprehension 35min	Paper 2 [70 marks] A) Fill in the blanks (4 questions, total 4 marks) B) Vocabulary selection (4 questions, total 4 marks) C) Sentence construction/completion (4 questions, total 12 marks) D) Cloze passage (5 questions, total 10 marks) E) Comprehension (MCQ + open-ended) (10 marks) F) Comprehension (open-ended) (30 marks)	Paper 2: Vocabulary from TB chapters 1&2
			Oral [50 marks] Listening Comprehension [20 marks]	
3	Mother Tongue (ML)	Paper 3: -Oral: 2h - Listening	Paper 1 [60 marks] A) Response writing (20 marks) B) Essay writing (2 choose 1) (40 marks)  Paper 2 [60 marks] A) Fill in the blanks (5 questions, total 10 marks) B) Proverbs (5 questions, total 10 marks) C) Comprehension (MCQ) (10 marks) D) Comprehension (open-ended) (30 marks)  Oral [60 marks]  Listening Comprehension [20 marks]	Paper 1: Response Writing, Descriptive/Expository/Narrative Essay Paper 2: Proverbs up to unit 2.
3a	Mother Tongue (ML) (SBB)	Paper 1: 2h Paper 2: 1h 30min Paper 3:	Paper 1 [60 marks] A) Response writing (20 marks) B) Essay writing (2 choose 1) (40 marks)  Paper 2 [70 marks] A) Fill in the blanks (5 questions, total 10 marks) B) Proverbs (5 questions, total 10 marks) C) Comprehension (MCQ) (20 marks) D) Comprehension (open-ended) (30 marks)  Oral [50 marks] Listening Comprehension [20 marks]	Paper 1: Response Writing, Descriptive/Expository/Narrative Essay Paper 2: Proverbs up to unit 2.

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
4	Mathematics	P1: 1 hr 30 mins P2: 1 hr 30 mins	Context. Students are required to answer ALL questions. [50 marks]	Chap 2: Linear Functions and Graphs Chap 4: Expansion and Factorisation of Algebraic Expressions Chap 5: Algebraic Fractions Chap 9: Pythagoras' Theorem Chap 11: Statistical Diagrams Chap 12: Measures of Central Tendency
4a	Mathematics (SBB)	P1: 1 hr 30 mins P2: 1 hr 30 mins	[60 marks]  Paper 2: About 4 to 5 questions of varying marks and lengths testing more on higher order thinking	Chapter 3: Expansion and Factorisation of Algebraic Expression Chapter 4: Algebraic Fractions and Formulae Chapter 5: Quadratic Functions, Graphs and Equations
5	Science	1 h 45 min	Section A (40 marks) : Multiple Choice Questions Section B (30 marks) : Structured Questions Section C (30 marks) : Free Response Questions	·

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
5a	Science (SBB)	2h	Section C (30 marks): Free Response Questions	Chapter 8: Atoms and Molecules Chapter 9: Applications of Forces and Transfer of Energy Chapter 10: Transfer of Heat Energy and Its Effects Chapter 11: Chemical Changes Chapter 12: Interactions Within Ecosystems (12.3 and 12.4)
6	Literature	1 h 15 min	Section A (25 marks): Short Answer Questions Section B (25 marks): Passage Based Questions	Don't Know Don't Care A Monster Calls Chapters 1-4
7	Geography	1 hr 15 min	Section A (10 marks): Geographical Investigation Skills Section B (26 marks): Structured Response Questions	Chapter 8: Housing and its Spatial Distribution Chapter 9: Sustainable Development of Housing
8	History	1 hr 15 min	Section B (20 marks): Structured Questions	Chapter 6: What did the people in Singapore experience during the Japanese Occupation? Chapter 7: How did the people in Singapore respond to British Rule after World War Two?

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
1	English Language	Paper 1 - 1 hr 15 mins Paper 2 - 1 hr 20 mins Paper 3 - Approximately 45 mins Paper 4 - Approximately 30 mins (Refer to schedule)	Paper 1 - Writing (70 marks) Section A: Editing (10 marks) Students edit grammatical errors in a given text. Section B: Situational Writing (30 marks) Students write a text of at least 180 words. A stimulus text, which may include visuals, will be provided. Section C: Continuous Writing (30 marks) Students write a text of at least 120 words on one of two topics set.  Paper 2 - Language Use and Comprehension (60 marks) Section A: Language Use Part 1: Modified Cloze I (10 marks) Candidates complete a cloze passage testing vocabulary. Part 2: Modified Cloze II (10 marks) Candidates complete a cloze passage testing grammar. Section B: Reading Comprehension Part 3: Comprehension I (10 marks) Candidates answer questions on a narrative or a recount. Part 4: Comprehension II (30 marks) Candidates answer questions on non-narrative texts, one of which includes visuals.  Paper 3 - Listening (20 marks) Candidates complete a variety of listening tasks.  Paper 4 - Oral Communication (40 marks) The two parts in this paper are not thematically linked. Part 1: Reading Aloud (15 marks) Candidates read aloud a short text, presented on a computer	NIL

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
1a	English Language (SBB)	Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)  Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Non-narrative Text (25 marks)  Paper 3 - Listening Comprehension (30 marks)  Paper 4 - Oral Communications (30 marks) Planned Response (15 marks) Spoken Interaction (15 marks)	NIL STATE OF THE S
2	Mother Tongue (BCL)	Paper 1: 50min  Paper 2: Oral (refer to schedule)  Paper 3: Listening Comprehension 35min	Paper 1 [30 marks] A) Language Application B) Comprehension (MCQ) C) Comprehension (short ans)  Oral [50 marks] Listening Comprehension [20 marks]	Writing Skill: Composing a short message using details from stimulus
2a	Mother Tongue (CL) (SBB)	Paper 1: 2h Paper 2: 1 h 30min Paper 3: - Oral (refer to schedule) - Listening Comprehension 35min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)  Paper 2 [60 marks] A) Vocabulary selection (4 questions, total 8 marks) B) Sentence completion (4 questions, total 12 marks) C) Cloze passage (5 questions, total 10 marks) D) Comprehension (MCQ) (10 marks) E) Comprehension (open-ended) (20 marks)  Oral [60 marks] Listening Comprehension [20 marks]	Paper 1: Informal Email Narrative Essay and Completing Essay with given starter Paper 2: Vocabulary from TB chapters 1&2

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
3	Mother Tongue (BML)	Paper 1: 50min  Paper 2: Oral (refer to schedule)  Paper 3:	Paper 1 [30 marks] A) Language Application B) Comprehension (MCQ) C) Comprehension (short ans) Oral [50 marks]	Writing Skill: Composing a short message using details from stimulus
		Listening Comprehension 35min	Listening Comprehension [20 marks]	
3a	Mother Tongue (ML) (SBB	Paper 1: 2h  Paper 2: 1h 30min  Paper 3: -Oral (refer to schedule) - Listening Comprehension: 35min	Paper 1 [60 marks] A) Response writing (20 marks) B) Essay writing (2 choose 1) (40 marks)  Paper 2 [70 marks] A) Fill in the blanks (5 questions, total 10 marks) B) Proverbs (5 questions, total 10 marks) C) Comprehension (MCQ) (20 marks) D) Comprehension (open-ended) (30 marks)  Oral [50 marks] Listening Comprehension [20 marks]	Paper 1: Response Writing, Descriptive/Expository/Narrative Essay Paper 2: Proverbs up to unit 2.
3b			Paper 1 [60 marks] A) Response writing (20 marks) B) Essay writing (2 choose 1) (40 marks)  Paper 2 [60 marks] A) Fill in the blanks (5 questions, total 10 marks) B) Proverbs (5 questions, total 10 marks) C) Comprehension (MCQ) (10 marks) D) Comprehension (open-ended) (30 marks)  Oral [60 marks]  Listening Comprehension [20 marks]	Paper 1: Response Writing, Descriptive/Expository/Narrative Essay Paper 2: Proverbs up to unit 2.

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
4	Mathematics	P1: 1 hr 30 mins P2: 1 hr 30 mins	Paper 1: Around 11 to 13 short questions, with weightage of 2 to 4 marks largely free from context, testing more on fundamental concepts and skills.  2 longer questions worth 6 – 8 marks developed around a context.  Students are to answer ALL questions [50 marks]  Paper 2: Around 11 to 13 short questions carrying 2 to 4 marks largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions with weightage of 6 – 8 marks developed around a context.  Students are to answer ALL questions [50 marks]	Sec 2 Chapters 1 - 6 1. Triangles & Quadrilaterals 2. Linear Algebra Epressions 3. Linear Equations 4. Functions & Graphs 5. Proportion 6. Rate & Speed
4a	Mathematics (SBB)	P1: 1 hr 30 mins P2: 1 hr 30 mins	Paper 1:About 14 to 15 short answer questions testing more on fundamental skills and concepts.  Students are required to answer ALL questions.  [50 marks]  Paper 2: About 6 to 7 questions of varying marks and lengths testing more on higher order thinking skills and 1 question on Problems in Real-World Context.  Students are required to answer ALL questions.  [50 marks]	Chap 1: Linear Equations and Inequalities in One Variable Chap 2: Linear Functions and Graphs Chap 4: Expansion and Factorisation of Algebraic Expressions Chap 5: Algebraic Fractions Chap 9: Pythagoras' Theorem Chap 11: Statistical Diagrams Chap 12: Measures of Central Tendency
5	Science	1 h 15 min	Section A : Multiple Choice Questions [25 marks] Section B: Structured Questions [55 marks] Total: 80 marks	Chapter 11: Human Reproduction Chapter 12: Taking Good Care of My Body Chapter 2: Forces (Until Topic 2.2)
5a	Science (SBB)	1 h 45 min	Section A (40 marks): Multiple Choice Questions Section B (30 marks): Structured Questions Section C (30 marks): Free Response Questions	Chapter 7: The Particulate Nature of Matter Chapter 8: Atoms and Molecules Chapter 9: Applications of Forces and Transfer of Energy Chapter 10: Transfer of Heat Energy and Its Effects Chapter 11: Chemical Changes (until 11.2)

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
6	Computer Applications	P1 : 1 hr P2 : 1 hr 30 mins	Paper 1: 40 marks Section A: 20 MCQ (20 marks) Section B: Short answers. 5 to 8 questions, (20 marks)  Paper 2: 60 marks: Task 1: Graphic Design (Inkscape) Task 2: Document Processing (Microsoft Word) Task 3: Animation and Game Making (Scratch)	Paper 1 Topics: Computer Fundamentals: Topics Fundamental computing knowledge and skills. Impact of technology on people and society. Developments in hardware and software. Computer usage and applications. Computer ethics and security. Media Elements: Topics Design and drawing with computer software. Basic concepts, tools and techniques. Document Processing: Topics Design documents using text and graphics. Page layout, page and text format. Spreadsheet: Topics Use of basic functions and formulas. Multimedia Communication: Topics Incorporate different media elements: text, graphics, sound, animation and video. Storyboarding.  Paper 2: Media Elements: Topics Design and drawing with computer

## **SEC 3 EXPRESS**

d Argumentative Essay
d Stimulus-Response Essay
tory and Narrative
linear inequalities
Geometry
ns & Inequalities
nials only (Exclude Partial Fractions)
ding Citizenship and Cavernages (Chapters 4 2)
ding Citizenship and Governance (Chapters 1 - 3)
Soviet Union (TB p. 44-62)
Germany (TB p.64-85)
5.1
ith tectonic hazard (Gateways 2 & 3)
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## **SEC 3 EXPRESS**

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
			Section A: MCQ(10m)	Chapter 4: Nutrients
13	Pure Biology	50 mins	Section B: Structured Questions(20m)	Chapter 5: Enzymes
			Section C: Long Question(10m)	Chapter 6: Nutrition in Humans
			Section A: MCQ(10m)	Chpt 3: Forces
14	Pure Physics	50 mins	Section B: Structured Questions(20m)	Chpt 4: Mass, Weight and Density
			Section C: Long Question(10m)	Chpt 5 Turning Effect of Forces
15	Literature	50 mins	Paper 2 Drama PBQ (25 marks)	Boom: Act 1, Focus on Author's Intention, Lit Devices
			2 Structured Questions, with one question requiring the	Chapter 5: Trial balance and financial statements
16	Principles of Accounts	50 mins	preparation of financial statements with simple	Chapter 6: Revenue and Other Income
			adjustments. (30 marks)	
17	Geography	45 mins	1 compulsory structured question with no more than 6	Chapter 2: Living with tectonic hazards (Gateways 1 - 2)
17	Geography	45 111115	parts	
			3 Structured Essay Questions which will require students	Unit 1 Chapter 3: French Colonial Rule in Vietnam
18	History	50 mins	to construct an explanation of events and/or issues	Unit 2 Chapter 1: Impact of World War I in Europe

1 English Language 50 mins Paper 2 Section B - Narrative Text (20 marks)  1a English Language (OOS) 50 mins Paper 2 Section A - Visual Text (5 marks) Paper 2 Section B - Narrative Text (20 marks) Paper 2 Section B - Narrative Text (20 marks)	No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
1 English Language (OOS) 50 mins Paper 2 Section A - Visual Text (5 marks) Paper 2 Section A - Visual Text (5 marks) Paper 2 Section B - Narrative Text (20 marks)  2 Mother Tongue (CL) 50 mins Essay Writing (2 choose 1) (40 marks) Narrative Essay and Completing Essay with given starte Say Mother Tongue (ML) 50 mins Essay Writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) (OOS) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) (OOS) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) (OOS) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) (OOS) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay Mother Tongue (ML) (OOS) So mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay with given starte Essay and Completing Essay with given starte Essay Mother Tongue (ML) (OOS) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Completing Essay writing	1	English Language	50 mins	Paper 2 Section A - Visual Text (5 marks)	NA
Pager 2 Section B - Narrative Text (20 marks)	'	English Language	50 mins		
2 Mother Tongue (CL) 50 mins Essay Writing (2 choose 1) (40 marks) Narrative Essay and Completing Essay with given starte Mother Tongue (CL) (OOS) 50 mins Essay Writing (2 choose 1) (40 marks) Descriptive, Expository and Narrative Essay and Mother Tongue (MIL) 50 mins Essay Writing (3 choose 1) (40 marks) Descriptive, Expository and Narrative Descriptive, Expository and N	10	English Language (OOS)	FO mino	Paper 2 Section A - Visual Text (5 marks)	NA
2 Mother Tongue (CL) (OOS) 50 mins 2 Mother Tongue (ML) 50 mins 3 Mother Tongue (ML) 50 mins 3 Mother Tongue (ML) 50 mins 4 Mother Tongue (ML) (OOS) 50 mins 5 mins 5 So mins 5	та	1a   English Language (OOS)	50 mins	Paper 2 Section B - Narrative Text (20 marks)	
3   Mother Tongue (ML)   50 mins   Essay Writing (4 choose 1) (40 marks)   Descriptive, Expository and Narrative	2	Mother Tongue (CL)	50 mins	Essay Writing (2 choose 1) (40 marks)	Narrative Essay and Completing Essay with given starter
Mathematics   So mins	2a	Mother Tongue (CL) (OOS)	50 mins	Essay Writing (2 choose 1) (40 marks)	Narrative Essay and Argumentative Essay
A mathematics   So mins   Short Answers and Structured Questions of varying marks and lengths (35 marks)   Chap 2 Quadratic Equations   Chap 3 Graphs of Quadratic Functions   Chap 4 Indices [till Unit 4.4]	3	Mother Tongue (ML)	50 mins	Essay Writing (4 choose 1) (40 marks)	Descriptive, Expository and Narrative
4 Mathematics 50 mins varying marks and lengths (35 marks) Chap 3 Graphs of Quadratic Functions Chap 4 Indices [till Unit 4.4]  4a Mathematics (OOS) 50 mins Short Answers and Structured Questions of varying marks and lengths (35 marks) Chap 2 More about linear inequalities  5 Science (Chemistry) 50 mins Section A (MCQ) - 12 marks Chapter 4: Elements, Compounds and Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding  5 Science (Chemistry) (OOS) 50 mins Section A (MCQ) - 12 marks Chapter 4: Elements, Compounds and Mixtures Chapter 6: Chemical Bonding  5 Science (Chemistry) (OOS) 50 mins Section A (MCQ) - 12 marks Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  6 Science (Physics) 50 mins Section A (MCQ) - 12 marks Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  6 Science (Physics) 50 mins Section A (MCQ) - 12 marks Chapter 6: Chapter 7: Writing Chemical Equations  6 Science (Physics) (OOS) 50 mins Section C - 8 marks Chapter 6: Turning Effects of Forces  6 Science (Physics) (OOS) 50 mins Section A (MCQ) - 12 marks Chapter 6: Turning Effects of Forces  6 Science (Physics) (OOS) 50 mins Section A (MCQ) - 12 marks Chapter 6: Turning Effects of Forces  6 Science (Physics) (OOS) 50 mins Section B - 20 marks Chapter 6: Pressure  7 Science (Biology) 50 mins Section B - 15 marks Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 6: Nutrition in Humans (tested until digestion)	3a	Mother Tongue (ML) (OOS)	50 mins	Essay Writing (3 choose 1) (40 marks)	Descriptive, Expository and Narrative
Short Answers and Structured Questions of Chap 4 Indices [till Unit 4.4]  And Mathematics (OOS)  So mins  Short Answers and Structured Questions of Varying marks and lengths (35 marks)  Science (Chemistry)  Science (Chemistry)  Science (Chemistry)  Science (Chemistry)  So mins  Science (Chemistry)  Science (Chemistry)  Science (Chemistry)  So mins  Science (Chemistry)  Science (Chemistry				Short Answers and Structured Questions of	Chap 2 Quadratic Equations
Short Answers and Structured Questions of varying marks and lengths (35 marks)   Chap 2 More about linear inequalities	4	Mathematics	50 mins	varying marks and lengths (35 marks)	Chap 3 Graphs of Quadratic Functions
4a       Mathematics (OOS)       50 mins       varying marks and lengths (35 marks)       Chap 3 Indices Chap 4 Coordinate Geometry         5       Science (Chemistry)       50 mins       Section A (MCQ) - 12 marks Section B - 15 marks Section C - 8 marks       Chapter 3: Separation and Purification Chapter 4: Elements, Compounds and Mixtures Chapter 6: Chemical Bonding         5a       Science (Chemistry) (OOS)       50 mins       Section A (MCQ) - 12 marks Section B - 20 marks Section C - 8 marks       Chapter 4: Elements, Compounds and Mixtures Chapter 6: Chemical Bonding         6       Science (Chemistry) (OOS)       50 mins       Section B - 20 marks Section C - 8 marks       Chapter 4: Mass, Weight and Density Chapter 7: Writing Chemical Equations         6       Science (Physics)       50 mins       Section B - 15 marks Section C - 8 marks       Chapter 3: Forces and Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces         6a       Science (Physics) (OOS)       50 mins       Section A (MCQ) - 12 marks Section B - 20 marks Section B - 15 marks Section B -					Chap 4 Indices [till Unit 4.4]
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Science (Chemistry)  50 mins  Section A (MCQ) - 12 marks Section B - 15 marks Section C - 8 marks  Chapter 4: Elements, Compounds and Mixtures Chapter 6: Chemical Bonding Chapter 7: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  Section C - 8 marks  Chapter 7: Writing Chemical Equations  Section A (MCQ) - 12 marks Chapter 7: Writing Chemical Equations  Section B - 15 marks Chapter 4: Mass, Weight and Density Chapter 7: Writing Chemical Equations  Section C - 8 marks Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces  Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 5: Turning Effects of Forces Chapter 6: Chap	4a	Mathematics (OOS)	50 mins	varying marks and lengths (35 marks)	Chap 3 Indices
Science (Chemistry)  50 mins  Section B - 15 marks Section C - 8 marks  Chapter 4: Elements, Compounds and Mixtures Chapter 6: Atomic Structure Chapter 6: Chemical Bonding Chapter 4: Elements, Compounds and Mixtures Chapter 6: Chemical Bonding Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  Section C - 8 marks  Chapter 7: Writing Chemical Equations  Section B - 15 marks Chapter 7: Writing Chemical Equations  Section B - 15 marks Chapter 7: Writing Chemical Equations  Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces  Chapter 3: Dynamics Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  Chapter 7: Writing Chemical Equations  Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  Chapter 7: Writing Chemical Equations  Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 6: Chapter 6: Chapter 4: Mass, Weight and Density Chapter 6: Turning Effects of Forces Chapter 6: Pressure  Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Pressure Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 6: Nutrition in Humans (tested until digestion)					Chap 4 Coordinate Geometry
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Section C - 8 marks  Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations  Section A (MCQ) - 12 marks  Chapter 3: Forces and Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces  Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 5: Turning Effects of Forces Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Bonding Chapter 7: Writing Chemical Bonding Chapter 7: Writing Chemical Bonding Chapter 3: Porces and Pressure Chapter 5: Turning Effects of Forces Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 3: Porces and Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Chemical Bonding Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: Chapter 6: Chapter 6: Chapter 6: Nutrients Chapter 6: C		Caianaa (Chanaiatm) (OOC)	50 main a	Section B - 20 marks	Chapter 5: Atomic Structure
Section A (MCQ) - 12 marks Chapter 3: Forces and Pressure Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 3: Dynamics Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 5: Enzymes Chapter 6: Nutrients Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 4: Nutrients Chapter 6: Nutrition in Humans (tested until digestion)	ba	Science (Chemistry) (OOS)	50 mins	Section C - 8 marks	Chapter 6: Chemical Bonding
6 Science (Physics) 50 mins Section B - 15 marks Chapter 4: Mass, Weight and Density Chapter 3: Turning Effects of Forces  Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 3: Dynamics Chapter 4: Mass, Weight and Density Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure  Section C - 8 marks Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 4: Nutrients Chapter 5: Enzymes Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 6: Nutrients Chapter 6: Nutrition in Humans (tested until digestion)					Chapter 7: Writing Chemical Equations
Section C - 8 marks  Chapter 5: Turning Effects of Forces  Chapter 3: Dynamics  Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces  Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 5: Turning Effects of Forces Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 5: Enzymes Chapter 6: Nutrients Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 6: Nutrients  Chapter 6: Nutrients				Section A (MCQ) - 12 marks	Chapter 3: Forces and Pressure
6a Science (Physics) (OOS)  50 mins  Section A (MCQ) - 12 marks Section B - 20 marks Section C - 8 marks  Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure  Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of Forces Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 4: Nutrients Chapter 5: Enzymes Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 6: Nutrients	6	Science (Physics)	50 mins	Section B - 15 marks	Chapter 4: Mass, Weight and Density
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Section C - 8 marks Chapter 6: Pressure  Section A (MCQ) - 12 marks Chapter 4: Nutrients Chapter 5: Enzymes Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 4: Nutrients Chapter 4: Nutrients	6a	Science (Physics) (OOS)	50 mins	Section B - 20 marks	
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7 Science (Biology) 50 mins Section B - 15 marks Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 4: Nutrients				Section A (MCQ) - 12 marks	·
Section C - 8 marks Chapter 6: Nutrition in Humans (tested until digestion) Section A (MCQ) - 12 marks Chapter 4: Nutrients	7	Science (Biology)	50 mins		
Section A (MCQ) - 12 marks Chapter 4: Nutrients		( 3,7		Section C - 8 marks	·
	7a	Science (Biology) (OOS)	50 mins		
Section C - 8 marks Chapter 6: Nutrition in Humans			·····-		·

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
8	Additional Mathematics	50 mins	Structured Questions of varying marks and lengths (30 marks)	Chapter 2 : Equations & Inequalities Chapter 3 : Surds Chapter 4 : Polynomials
9	Social Studies	50 mins	Source Based Case Study Question (23 Marks) 3 questions on the skills of Inference (Purpose), Comparison, and Assertion	Chapter 4: Polynomials Chapter 4: What is Diversity?
10	History (Humanities)	50 mins	Section A: Source-based Case Study (12marks) - Purpose and Reliability Section B: Structured Essay Question (8 marks) - Describe	Chapter 2: Stalin's Soviet Union (TB p. 30-43, 44-62) Chapter 3: Hitler's Germany (TB p.64-85) [RP] WS2.1, WS2.2 & WS3.1
11	Geography (Humanities)	50 mins	marks)	Physical Geography Topic 1: Living With Tectonic Hazards Risk or opportunity? Gateway 2: What landforms and associated tectonic phenomena are found at plate boundaries? (TB pg 20-47) [RP] A5-A6 for Plate Tectonics  Human Geography Topic 1: Global Tourism Gateway 1: How does the nature of tourism vary from place to place? (TB pg 4-26) [RP] Assignment 1 & 2 for Tourism
12	Principles of Accounts	50 mins	2 Structured Questions, with one question requiring the preparation of financial statements with simple adjustments. (30 marks)	Chapter 5: Trial balance and financial statements Chapter 6: Revenue and Other Income

## **SEC 3 NORMAL TECHNICAL**

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
1	English Language	50 mins	Paper 2 Comprehension II (30 marks)	NA
1a	English Language (OOS)	50 mins	Paper 2 Section A - Visual Text (5 marks) Paper 2 Section B - Narrative Text (20 marks)	NA
2	Mother Tongue (BCL)	35 mins	Listening Comprehension (10 questions, total 20 marks)	NA
2a	Mother Tongue (CL) (OOS)	50 mins	Essay Writing (2 choose 1) (40 marks)	Narrative Essay and Completing Essay with given starter
3	Mother Tongue (BML)	35 mins	Listening Comprehension (10 questions, total 20 marks)	NA
3a	Mother Tongue (ML) (OOS - Express)	50 mins	Essay Writing (3 choose 1) (40 marks)	Descriptive, Expository and Narrative
3b	Mother Tongue (ML) (OOS - NA	50 mins	Essay Writing (4 choose 1) (40 marks)	Descriptive, Expository and Narrative
4	Mathematics	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Chapter 1: Indices and Standard Form Chatper 2: Map Scales Chapter 3: Algebraic Expansion, Fractions and Number Sequence Chapter 4: Factorisation and Formulas
4a	Mathematics (OOS)	50 mins	Short Answers and Structured Questions of varying marks and lengths (35 marks)	Chap 2 Quadratic Equations Chap 3 Graphs of Quadratic Functions Chap 4 Indices [till Unit 4.4]
5	Science	50 min	Section A : MCQ (16 marks) Section B: Structured Questions (24 marks)	Chapter 2: Energy Transfer Through Waves Chapter 11: Respiration and Breathing
5a	Science (Chemistry) (OOS)	50 mins	Section A (MCQ) - 12 marks Section B - 15 marks Section C - 8 marks	Chapter 3:Separation and Purification Chapter 4: Elements, Compounds and Mixtures Chapter 5: Atomic Structure Chapter 6: Chemical Bonding
5b	Science (Physics) (OOS)	not offered in 2022	not offered in 2022	not offered in 2022
	Science (Biology) (OOS)	50 mins	MCQs, structured and one long question (35 marks)	Chapter 4: Nutrients Chapter 5: Enzymes Chapter 6: Nutrition in Humans (tested until digestion)
6	Computer Applications	30mins	Practical (20 marks)	Document Processing (DOP)

## **SEC 3 NORMAL TECHNICAL**

No.	Subject	Duration	Format of Weighted Assessment (Marks)	Chapter / Topic
	Elements of Business Skills	50 mins	Short response and structured questions (40 marks)	Chapter 1: Introduction to Business Chapter 2: Businesses in the Travel and Tourism, Hospitality and Retail Industries Chapter 3: Introduction to Marketing Chapter 4: The Marketing Mix - Product

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 1h 50min	Paper 1	NIL
		Paper 2: 1h 50 min	Paper 1 Section A - Editing (10 marks)	
			Paper 1 Section B - Situational Writing (30 marks)	
			Paper 1 Section C - Continuous Writing (30 marks)	
		Paper 4: Refer to	apor i communication in the second se	
			Paper 2	
		Concadio	Paper 2 Section A - Structured Questions on Visual Text (5 marks)	
			Paper 2 Section B - Structured Questions on Narrative Text (20	
١,	E collete to a consens			
1	English Language		marks)	
			Paper 2 Section C - Structured Question on Non-narrative Text (25	
			marks)	
			Paper 3 - Listening Comprehension (30 marks)	
			raper 3 - Listerling Comprehension (30 marks)	
			Paper 4 - Oral Communications (30 marks)	
			Reading Aloud (10 marks)	
			Spoken Interaction (20 marks)	
			Paper 1 [60 marks]	NA
			A) Email writing (2 choose 1) (20 marks)	
			B) Essay writing (3 choose 1) (40 marks)	
			Paper 2 [70 marks]	
			A) Cloze passage (10 marks)	
			B) Comprehension (MCQ) (20 marks)	
2a	Mother Tongue (CL)		C) Comprehension (open-ended) (40 marks)	
		Paper 1: 2 hr		
		Paper 2: 1 hr 30min	Oral [50 marks]	
		Oral: please refer to	A) Reading aloud (10 marks)	
		schedule	B) Video response and Conversation (40 marks)	
		Listening comprehension:		
		35min	Listening Comprehension [20 marks]	
			Paper 1 [80 marks]	NA
			A) Email writing (2 choose 1) (20 marks)	
			B) Essay writing (3 choose 1) (60 marks)	
			Paper 2 [80 marks]	
			A) Cloze passage (10 marks)	
2b	Mother Tongue (HCL)		B) Sentence editing (10 marks)	
_ ZD	INDUITED TOTIQUE (FIGE)		B) Comprehension (short-answer) (10 marks)	
			C) Comprehension (open-ended) (38 marks)	
			D) Summary (12 marks)	
		Paper 1: 2hr		
			Oral [40 marks]	
			A) Oral report (20 marks)	
		schedule	B) Conversation (20 marks)	

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
2c	Mother Tongue (CL (B))		Paper 1 [20 marks] Writing - Choose 1 between email and picture composition  Paper 2 [30 marks] A) Language application (10 marks) B) Comprehension (MCQ) (20 marks)  Oral [30 marks] A) Reading aloud (10 marks) B) Video response and Conversation (20 marks)  Listening Comprehension [20 marks]	NA
3	Mother Tongue (ML)	Paper 2: 1 hr 30min Oral: please refer to schedule Listening comprehension:	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks) Paper 2 [70 marks] A) Affixes (10 marks) B) Proverbs (10 marks) C) Cloze (10 marks) D) Comprehension (MCQ) (10 marks) E) Comprehension including vocabulary (open-ended) (30 marks) Oral [50 marks] A) Reading aloud (10 marks) B) Video response and Conversation (40 marks) Listening Comprehension [20 marks]	NA

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	Mathematics	P1: 2 hrs P2: 2 hrs 30 mins	Paper 1: About 25 short answer questions testing more on the fundamental skills and concepts. Students are required to answer ALL questions.  [80 marks]  Paper 2: 10 to 11 questions of varying marks and lengths testing more on higher order thinking skills and of which 1 question is on Problems in Real-World Contexts.  Students are required to answer ALL questions.  [100 marks]	<ol> <li>Numbers &amp; their operations</li> <li>Ratio &amp; Proportion</li> <li>Percentage</li> <li>Rate &amp; Speed</li> <li>Algebraic expressions &amp; formulae</li> <li>Functions &amp; Graphs</li> <li>Equations &amp; Inequalities</li> <li>Set Language &amp; Notation</li> <li>Matrices</li> <li>Problems in real-world contexts</li> <li>Number Patterns</li> <li>Angles, triangles, polygons</li> <li>Congruence &amp; similarity</li> <li>Properties of circles</li> <li>Pythagoras' theorem &amp; trigonometry</li> <li>Mensuration</li> <li>Coordinate Geometry</li> <li>Data Analysis</li> <li>Probability</li> </ol>
5	Additional Mathrmatics	P1: 2 hrs 15 mins P2: 2 hrs 15 mins	Paper 1: Around 11 to 13 questions of varying marks and lengths testing more on the fundamental skills and concepts and of which 1 to 2 questions are on Problems in Real-World Contexts Students are required to answer ALL questions.  [90 marks]  Paper 2: 10 to 13 questions of varying marks and lengths and of which 1 to 2 questions are on Problems in Real-World Contexts Students are required to answer ALL questions.  [90 marks]	<ol> <li>Quadratic Functions</li> <li>Equations &amp; Inequalities</li> <li>Quadratic Inequalities</li> <li>Surds</li> <li>Polynomials &amp; Partial Fractions</li> <li>Exponential &amp; Logarithmic Functions</li> <li>Coordinate Geometry</li> <li>Circles</li> <li>Trigonometric Functions</li> <li>Trigonometric Identities &amp; Equations</li> <li>Differentiation</li> <li>Tangents, Normals and Rates of Change</li> <li>Maxima &amp; Minima</li> <li>Differentiation of Trigo, Exponential and Logarithmic Functions</li> <li>Integration</li> </ol>
6	History (Humanities) (4E/5N)	1 hour 40 mins	Section A (30 Marks) [Either Korean War or Cuban Missile Crisis] - Inference, Comparison, Utility, Hybrid Comparison, Assertion  Section B (20 Marks): Explain and Evaluation [2 Questions CHOOSE ONE]	Textbook Chapters Tested: - Sec 3 Chapters 4 to 7 (Page 107 to Page 211) - Sec 4 Chapters 1 to 3 (Page 1 to Page 114)
7	Geography (Humanities) (4E/5N)	1 hour 40 mins	Section A (13m): Geographical Investigations – Answer Question 1 <b>or</b> 2	Topic 1 (Physical Geography): Living with Tectonic Hazards (Gateways 1-3) pages 2-123

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
140.	Suplect	Duration	Format: - Section A (35 Marks): Purpose, Comparison, Utility, Hybrid	Textbook Chapters Tested: Issue 1 and Issue 3
8	Social Studies (4E & 5NA)	1 hour 45 mins	Comparison Assertion - Section B (15 Marks): SRQ A and SRQ B	- Chapters 1 to 3 (pg 2 to 101) - Chapters 8 to 10 and the Cyber Security section of Chapter 11 (pg 250 - 336)
9	Pure Geography (4E)	Paper 1: 1 hour 40 mins Paper 2: 1 hour 30 mins	Paper 1:  Section A: Geographical Investigation (25%) - Compulsory Question Global Tourism  Section B: Structured Question (25%) - Choose 1. 1 question will be on a specific topic. One another question will be set on a combination of topics.  1) Coasts 2) Global Tourism  Paper 2: Section A: Structured Question (25%) - Choose 1. 1 question will be on a specific topic. One another question will be set on a combination of topics.  1) Living with tectonic hazards 2) Variable Weather & changing climate  Section B: Structured Question (25%) - Compulsory Question.  1) Food Resources	Topic 1 (Physical): Should coastal environments matter? (Gateways 1 – 3)  Topic 2 (Physical): Living with Tectonic Hazards: Risk or Opportunity? (Gateways 1 – 3)  Topic 3 (Physical): Variable Weather and Climate (Gateway 1 -3)  Topic 4 (Geographical skills & investigation) Chapter 3  Topic 5 (Human): Global Tourism (Gateway 1 & 3)  Topic 6 (Human): Food Resources (Gateway 1 & 2)
10	Science (Chemistry) 4E5N	5076 or 5078  Paper 1: 1 hr  Paper 2: 1 hr 15 mins	40 MCQ (40 m) Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items. 20 out of the 40 questions will be from Chemistry while the other 20 will be from Biology/Physics.	Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations Chapter 8, 9: Mole and Chemical Calculations Chapter 10: Acids and Bases Chapter 11: Salts and Qualitative Analysis Chapter 12: Oxidation and Reduction Chapter 13: Metals Chapter 14: Periodic Table

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		5076		Chapter 1: Physical Quantities, Units and Measurment
		Paper 1: 1 hr	40 MCQ (40 m)	Chapter 2: Kinematics
		Paper 2: 1 hr 15 mins	Paper 1 will carry 40 marks and consist of 40 compulsory multiple	Chapter 3 Dynamics
			choice items.	Chapter 4: Mass, Weight and Density
			For 5076, Paper 1 will be based on the Physics and Chemistry	Chapter 5: Turning Effects of a Force
				Chapter 6: Pressure
				Chapter 7: Work, Energy and PowerChapter
				Chapter 8: Kinetic Model of Matter
	0 : (5) : \455\4		Paper 2:	Chapter 9 Transfer of Thermal Energy
11	Science (Physics) 4E5NA		SECT A – Structured Qn (45 m)	Chapter 10: Thermal Properties of Matter
			SECT B – Free response Qn (20 m).	Chapter 11: General Wave Properties
				Chapter 12: Light
			Section A will carry 45 marks and will contain a number of compulsory	Chapter 13: Electromagnetic Spectrum
			structured questions of variable mark value.	Chapter 14: Sound
				Chapter 15: Static Electricity
			Section B will carry 20 marks and will contain three questions, each of	
			10 marks. Candidates are required to answer any two questions	Chapter 17: D.C. Circuits
			Paper 1	Chapter 2 Cells
				Chapter 3 Movement of Substances
			Paper 1 will carry 40 marks and consist of 40 compulsory multiple	Chapter 4 Nutrients
			choice items.	Chapter 5 Enzymes
			For 5078, Paper 1 will be based on the Chemistry and Biology	Chapter 6 Nutrition in Humans
				Chapter 7 Nutrition in Plants
				Chapter 8 Transport in Humans
		5078		Chapter 9 Transport in Plants
12	Science (Biology) 4E5NA	Paper 1 (chem,bio): 1 hr		Chapter 10 Respiration in Humans
12	Science (Biology) 4E3NA	Paper 2: 1hr 15min		Chapter 11 The Nervous System
		Paper 2. IIII 15IIIIII		Chapter 12 The Human Eye
				Chapter 13 Hormones
			Section A will carry 45 marks and will contain a number of compulsory	
				Chapter 15 Reproduction in Humans (only reproductive
				structures)
			Section B will carry 20 marks and will contain three questions, each of	
			10 marks. Candidates are required to answer any two questions	

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	Pure Chemistry	6092 Paper 1: 1 h Paper 2: 1h 45 min	Paper 1 40 MCQ (40 m) Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items.  Paper 2: SECT A – Structured Qn (50 m) SECT B – Free response Qn (30 m).  Section A will carry 50 marks and will consist of a variable number of compulsory structured questions. Section B will carry 30 marks and will consist of three questions. The first two questions are compulsory questions, one of which will be a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. This question will carry 8–12 marks. The last question will be presented in an either/or form and will carry 10 marks.	<ol> <li>Atomic Structure</li> <li>Ionic Bonding</li> <li>Covalent and Metallic Bonding</li> <li>Chemical Calculations</li> <li>Writing Chemical Equations</li> <li>Acids and Alkalis</li> <li>Salts and Qualitative Analysis</li> <li>Oxidation and Reduction</li> <li>Energy Changes</li> <li>Speed of Reaction</li> <li>Periodic Table</li> <li>Metals</li> <li>Electrolysis</li> <li>Ammonia</li> </ol>
14	Pure Biology	6093 Paper 1: 1 hr Paper 2: 1 hr 45 mins	Paper 2 (1 h 45 min, 80 marks)  This paper will consist of two sections.  Section A will carry 50 marks and will consist of a variable number of compulsory structured questions.  Section B will carry 30 marks and will consist of 3 free response questions. The first two questions are compulsory questions, one of which will be a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. This question will carry 8-12 marks. The last question will be presented in an either/or form and will carry 10 marks.	Chapter 2 Cells Chapter 3 Movement of Substances Chapter 4 Nutrients Chapter 5 Enzymes Chapter 6 Nutrition in Humans Chapter 7 Nutrition in Plants Chapter 8 Transport in Humans Chapter 9 Transport in Plants Chapter 10 Respiration in Humans Chapter 11 Excretion in Humans Chapter 12 Homeostasis Chapter 13 The Nervous System Chapter 14 The Human Eye Chapter 15 Hormones Chapter 16 Cell Division Chapter 17 Reproduction in Plants Chapter 18 Reproduction in Humans

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		6091	Paper 1	Chapter 1: Physical Quantities, Units and Measurment
		Paper 1: 1 hr	40 MCQ (40 m)	Chapter 2: Kinematics
		Paper 2: 1 hr 45 mins	Paper 1 will carry 40 marks and consist of 40 compulsory multiple	Chapter 3 Dynamics
			choice items.	Chapter 4: Mass, Weight and Density
				Chapter 5: Turning Effects of a Force
			Paper 2:	Chapter 6: Pressure
			SECT A – Structured Qn (50 m)	Chapter 7: Work, Energy and PowerChapter
			SECT B – Free response Qn (30 m).	Chapter 8: Temperature
				Chapter 9: Kinetic Model of Matter
15	Pure Physics		Section A will carry 50 marks and will consist of a variable number of	Chapter 10 Transfer of Thermal Energy
	-		compulsory structured questions.	Chapter 11: Thermal Properties of Matter
			Section B will carry 30 marks and will consist of three questions. The	Chapter 12: Light
			first two questions are compulsory questions, one of which will be a	Chapter 13: Waves
			data-based question requiring candidates to interpret, evaluate or	Chapter 14: Electromagnetic Spectrum
			solve problems using a stem of information. This question will carry	Chapter 15: Sound
			8–12 marks. The last question will be presented in an either/or form	Chapter 16: Static Electricity
			and will carry 10 marks.	Chapter 17: Current of Electricity
				Chapter 18: D.C. Circuits
				Chapter 19: Practical Electricity
16	Literature	Paper 1: 1hr 45 mins	Paper 1: Prose (PBQ) & Unseen (2 poems, choose 1) [50 marks]	Fahrenheit 451 (Part 1-2) by Ray Bradbury; Unseen Poetry
16	Literature	Paper 2: 1hr 30 mins	Paper 2: Drama (2 essays, choose 1 + PBQ) [50 marks]	Boom by Jean Tay
			Paper 1: Answer 3 to 4 compulsory structured questions. (40 marks)	POA textbook chapters 1 - 14 inclusive.
				·
			Paper 2: Answer 4 compulsory structured questions. (60 marks)	
			One question requires the preparation of financial	
		Paper 1: 1 hour	statements for a business for one financial year. (20 marks)	
17	Principles of Accounts		<ul> <li>A scenario-based question (7 marks) will be part of one of</li> </ul>	
		Paper 2: 2 hours	the 3 remaining questions.	
			Candidates will write their answers on the question paper in Paper 1.	
			For Paper 2, candidates will write their	
			answers on the answer paper provided.	

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	Design & Technology	Paper 1: 2 hours	Candidates are to answer all questions.	Design: Project Planning / Sources of Reseach / PIES analysis/
			The questions will be design-centric requires knowledge application	Product analysis / User analysis / PMI / 5W1H/ SWOT/ Formulation of
			design, structures, mechanisms and electronics. Total marks: 80	design brief & specs / Ideation techniques/ Ergonomics/
				Anthropometric data / 3D Sketching techniques (i.e. isometric,
			Q1 Design (26m)	perspective) / Mock-ups/ 2D & 3D drawing techniques (i.e.
			Q2 Structures (18m)	orthographic, exploded and sectional views) / Evolution of design /
			Q3 Mechanisms (18m)	Sustainability in design.
			Q4 Electronics. (18m)	
				Structures: Knowledge of wood, metals and plastics and their uses /
				Properties of materials (i.e. toughness, durability, stiffness, strength,
				hardness, elasticity) / Forces in products (i.e.tension, compression,
				bending, torsion, shear) / Structural reinforcement (i.e. folds, gussets,
18				ribs, braces, laminating)
				Mechanisms: Open-loop control system (e.g. Stapler, ice-cream
				scoop) / Closed-loop system (e.g. Water cistern) / Mechanisms for
				transmission, conversion and control of motion / Practical application
				of mechanisms (e.g. levers, linkages, screw, rack and pinion, pulley,
				cams, gears, springs)
				Electronics: Open-loop control system (e.g. Table lamp, Digital
				thermometer / Closed-loop system (e.g. Air-conditioner, Hot water
				dispenser) / Electronic kits for practical application (e.g. counting,
				sensing of light, moisture and temperature) / Knowledge of electronic
				components (e.g. resistors, capacitors, microcontrollers, sensors)
	Art	6123 Paper 2 (3 hours)	Paper 1: 6 A2 Coursework Prep by 25 April 2022 (60 marks)	Paper 2
	AIT	0123 Paper 2 (3 110018)	raper 1. 6 Az Coursework Frep by 25 April 2022 (60 Marks)	Students to respond to the Art exam paper question which will be
19			Paper 2: Drawing and Painting (40 Marks)	released 3 weeks in advance for students to respond. An A3 prep
19			Paper 2. Drawing and Painting (40 Marks)	work will be required for students to bring into the Art MYE venue to
				refer to.
			Candidates are to answer all questions	
20			Section A: Q1 to 7	
	Electronics	Paper 1: 2 hours	Section B Q8 to Q11	Text book Chp 1 to 14

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
1a	English Language	Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)  Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Non-narrative Text (25 marks)  Paper 3 - Listening Comprehension (30 marks)  Paper 4 - Oral Communications (30 marks) Reading Aloud (10 marks) Spoken Interaction (20 marks)	NIL
1b	English Language (OOS)	Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)  Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Non-narrative Text (25 marks)  Paper 3 - Listening Comprehension (30 marks)  Paper 4 - Oral Communications (30 marks)  Reading Aloud (10 marks) Spoken Interaction (20 marks)	NIL

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
2a	Mother Tongue (CL)	Paper 1: 2 hr Paper 2: 1 hr 30min Oral: please refer to schedule Listening comprehension: 35min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)  Paper 2 [60 marks] A) Cloze passage (10 marks) B) Comprehension (MCQ) (20 marks) C) Comprehension (open-ended) (30 marks)  Oral [60 marks] A) Reading aloud (20 marks) B) Video response and Conversation (40 marks)  Listening Comprehension [20 marks]	NA
2b	Mother Tongue (CL) (OOS)	Paper 1: 2 hr Paper 2: 1 hr 30min Oral: please refer to schedule Listening comprehension: 35min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)  Paper 2 [70 marks] A) Cloze passage (10 marks) B) Comprehension (MCQ) (20 marks) C) Comprehension (open-ended) (40 marks)  Oral [50 marks] A) Reading aloud (10 marks) B) Video response and Conversation (40 marks)  Listening Comprehension [20 marks]	NA
2c	Mother Tongue (CL (B))	Paper 1: 50min Paper 2: 1hr Oral: please refer to schedule Listening comprehension: 35min	Paper 1 [20 marks] Writing - Choose 1 between email and picture composition  Paper 2 [30 marks] A) Language application (10 marks) B) Comprehension (MCQ) (20 marks)  Oral [30 marks] A) Reading aloud (10 marks) B) Video response and Conversation (20 marks)  Listening Comprehension [20 marks]	NA

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
За	Mother Tongue (ML)	Paper 1: 2 hr Paper 2: 1 hr 30min Oral: please refer to schedule Listening comprehension: 35min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (4 choose 1) (40 marks)  Paper 2 [60 marks] A) Affixes (10 marks) B) Proverbs (5 marks) C) Cloze (5 marks) D) Comprehension (MCQ) (10 marks) E) Comprehension including vocabulary (open-ended) (30 marks)  Oral [60 marks] A) Reading aloud (20 marks) B) Video response and conversation (40 marks)  Listening Comprehension [20 marks]	NA .
3b	Mother Tongue (ML) (OOS)	Paper 1: 2 hr Paper 2: 1 hr 30min Oral: please refer to schedule Listening comprehension: 35min	Paper 1 [60 marks] A) Email writing (2 choose 1) (20 marks) B) Essay writing (3 choose 1) (40 marks)  Paper 2 [70 marks] A) Affixes (10 marks) B) Proverbs (10 marks) C) Cloze (10 marks) D) Comprehension (MCQ) (10 marks) E) Comprehension including vocabulary (open-ended) (30 marks)  Oral [50 marks] A) Reading aloud (10 marks) B) Video response and Conversation (40 marks)  Listening Comprehension [20 marks]	NA

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 2 hrs	Paper 1: About 25 short answer questions testing more on fundamental	Both Papers: Pythagoras and Nuumbers
		Paper 2 : 2 hrs	skills and concepts.	Paper 1
			Students are to answer ALL questions	Numbers & their operations
			[80 marks]	2. Ratio & Proportion
				3. Percentage
			Paper 2: • Section A will contain 9 to 10 questions of varying lengths	4. Rate & Speed
			and of which 1 question is on Problems in Real World context.	5. Algebraic expressions & formulae
			·	6. Functions & Graphs
			1	7. Equations & Inequalities
			99911911 2 11111 991119111 2 91111911 91111911 91111911	8. Problems in Real World Context
				9. Angles, triangles, polygons
			The questions in Section B will be based on the underlined content and	
			there will be one question from the 'Geometry and Measurement'	11. Pythagoras' theorem & trigonometry
10	Mathematics		strand and one from the 'Statistics and Probability' strand.	12. Mensuration and Area Sector
44	iviati lematics		Each question carries the same number of marks, that is, either 7 or 8	13. Coordinate Geometry
			marks.	14. Problems in Real World Context
			[60 marks]	15. Data Analysis
				16. Probability
				Paper 2:
				1. Stem & Leaf, Box & Whiskers
				2. Arc Length, Sector Areas & Radian
				3. Applications of Trigonometry
				Quadratic Equations     Real-World Context: Surface Areas & Volumes
				6. Functions & Graphs
				7. Data Analysis & Probability
				8. Properties of Circle

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	Mathematics (OOS)	P1: 2 hrs P2: 2 hrs 30 mins	Paper 1: About 25 short answer questions testing more on the fundamental skills and concepts. Students are required to answer ALL questions. [80 marks]	<ol> <li>Numbers &amp; their operations</li> <li>Ratio &amp; Proportion</li> <li>Percentage</li> <li>Rate &amp; Speed</li> <li>Algebraic expressions &amp; formulae</li> <li>Functions &amp; Graphs</li> <li>Equations &amp; Inequalities</li> </ol>
5	Additional Mathrmatics	Paper 1: 1 hr 45 mins Paper 2: 1 hr 45 mins		For both P1 and P2:  Topics tested: Chap 1: Quadratic Functions Chap 2: Equations and Inequalities Chap 3: Surds Chap 4: Polynomials and Partial Fractions Chap 7: Coordinate Geometry Chap 8: Circles Chap 10: Trigonometric Functions Chap 11: Trigonometric identities and Equations Chap 12: Differentiation Chap 13: Tangents, Normals and Rates of Change Chap 14: Maxima and Minima Chap 16: 16.1 Indefinite Integrals (only) Chapter 17: Application of Integration

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
6	Social Studies	1h 45 mins	Section A: Source-Based Case Study (35 marks) [ Issue 3] Section B: Structured Questions (15 marks) [Issue 2]	Topics tested: Issue 3: Being Part of a Globalised World - Chapter 8 and 9 Issue 2: Living in a Diverse Society - Chapter 4, 5, 6, 7
7	History (Humanities)	1 h 40 mins	Section A: Source-Based Case Study (30 marks) [The Korean War] Section B: Structured Questions (20 marks) [WWII in A-P & Defeat of Japan] (No options given)	Textbook Chapters Tested: - Sec 3 Chapters 6 and 7 (Page 166 to Page 211) - Sec 4 Chapter 2 (Page 36 to Page 69) [Please note that you need to have knowledge of Reasons for the Outbreak of the Cold War as well since KW was a proxy war in the context of the Cold War]
8	Geography (Humanities)	1 h 40 mins	Section A: Geographical investigation (13 marks) Choose 1  1) Global Tourism  2) Variable Weather & Climate  Section B: Structured question (12 marks) Compulsory Question  1) Global Tourism  Section C: Geographical investigation (25 marks) Choose 1  1) Living with Tectonic Hazards  2) Variable Weather & Climate	Topic 1 (Physical Geography): Living with Tectonic Hazards (Gateways 1-2) pages 2-45 Topic 2 (Physical Geography): Variable Weather and Changing Climate (Gateways 1-2) pages 70-117 Topic 3 (Human Geography): Global Tourism (Gateways 1-3) pages 2-89 Topic 4 (Geographical investigation): pages 124-176
9a	Science (Chemistry)	5105/5107 Papers 3 and 4: 1hr 15min	Paper 3: 20 compulsory multiple choice questions (20 marks)  Paper 4 Section A - Compulsory structured questions (14 marks) Section B - Three structured questions. Answer only two out of three questions. (16 marks)	From Textbook Chapter 1. Kinetic Particle Theory Chapter 2. Measurement and Experimentat 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. Chemical Calculations Chapter 9. Acids and Bases Chapter 10. Salts Chapter 11. Metals Chapter 12. The Periodic Table Chapter 14. An Introduction to Organic Chemistry

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		5076 or 5078 Paper 1: 1 hr Paper 2: 1 hr 15 mins	Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items. 20 out of the 40 questions will be from Chemistry while the other 20 will be from Biology/Physics.	Chapter 5: Atomic Structure Chapter 6: Chemical Bonding Chapter 7: Writing Chemical Equations Chapter 8, 9: Mole and Chemical Calculations Chapter 10: Acids and Bases Chapter 11: Salts and Qualitative Analysis Chapter 12: Oxidation and Reduction
9b	Science (Chemistry) (OOS)		SECT A – Structured Qn (45 m)	Chapter 14: Periodic Table
			Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two out of the three questions.	
10a	Science (Physics)	5105 Paper 1 and Paper 2 (together) 1hr 15min	Paper 1: 20 marks (20 x MCQs) Paper 2 stuctured qns: Section A 14 marks, Section B 16 marks (3 Qns, choose 2 Qns. Each Qn is 8 marks)	Textbook: Chpt 1 Measurement to Chpt 14 D.C. Circuits
10b	Science (Physics) (OOS)	5076 Paper 1: 1 hr Paper 2: 1 hr 15 mins	Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items. For 5076, Paper 1 will be based on the Physics and Chemistry sections of the syllabus.  Paper 2: SECT A – Structured Qn (45 m) SECT B – Free response Qn (20 m).  Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value.  Section B will carry 20 marks and will contain three questions, each of 10 marks. Candidates are required to answer any two questions	Chapter 1: Physical Quantities, Units and Measurment Chapter 2: Kinematics Chapter 3 Dynamics Chapter 4: Mass, Weight and Density Chapter 5: Turning Effects of a Force Chapter 6: Pressure Chapter 7: Work, Energy and PowerChapter Chapter 8: Kinetic Model of Matter Chapter 9 Transfer of Thermal Energy Chapter 10: Thermal Properties of Matter Chapter 11: General Wave Properties Chapter 12: Light Chapter 12: Light Chapter 13: Electromagnetic Spectrum Chapter 14: Sound Chapter 15: Static Electricity Chapter 16: Current of Electricity Chapter 17: D.C. Circuits

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
	Science (Biology)	5107 Paper 1 and Paper 2 (together) 1hr 15min	Paper 1: 20 marks (20 x MCQs)  Paper 2 stuctured qns: Section A 14 marks, Section B 16 marks (3 Qns, choose 2 Qns. Each Qn is 8 marks)	Chapter 2 Cells Chapter 3 Movement of Substances Chapter 4 Nutrients Chapter 5 Enzymes Chapter 6 Nutrition in Humans Chapter 7 Nutrition in Plants Chapter 8 Transport in Humans Chapter 9 Transport in Plants Chapter 10 Respiration in Humans Chapter 11 The Nervous System Chapter 12 Reproduction in Plants
		5078 Paper 1 (chem,bio): 1 hr Paper 2: 1hr 15min	Paper 1 40 MCQ (40 m) Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items. For 5078, Paper 1 will be based on the Chemistry and Biology sections of the syllabus.	Chapter 13 Reproduction in Humans (only reproductive structures) Chapter 2 Cells Chapter 3 Movement of Substances
11b	Science (Biology) (OOS)		Paper 2: SECT A – Structured Qn (45 m) SECT B – Free response Qn (20 m).  Section A will carry 45 marks and will contain a number of compulsory structured questions of variable mark value.	Chapter 8 Transport in Humans Chapter 9 Transport in Plants Chapter 10 Respiration in Humans Chapter 11 The Nervous System Chapter 12 The Human Eye Chapter 13 Hormones Chapter 14 Reproduction in Plants Chapter 15 Reproduction in Humans (only reproductive structures)
12	Principles of Accounts	Paper 1: 1 hour Paper 2: 2 hours	Paper 1: Answer 3 to 4 compulsory structured questions. (40 marks)  Paper 2: Answer 4 compulsory structured questions. (60 marks)  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.  Candidates will write their answers on the question paper in Paper 1. For Paper 2, candidates will write their answers on the answer paper provided.	POA textbook chapters 1 - 14 inclusive.

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
13	Design & Technology	Paper 1:1 hour 30 minutes	Candidates are to answer all questions.	Design: Project Planning / Sources of Reseach /
			The questions will be design-centric requires knowledge application design, structures, mechanisms and electronics. Total marks: 60 Q1 Design (24m)	PIES analysis/ Product analysis / User analysis / PMI / 5W1H/ SWOT/ Formulation of design brief & specs / Ideation techniques/ Ergonomics/
			Q2 Mechanisms (18m) Q3 Electronics. (18m)	Anthropometric data / 3D Sketching techniques (i.e. isometric, perspective) / Mock-ups/ 2D & 3D drawing techniques (i.e. orthographic, exploded and sectional views) / Evolution of design / Sustainability in design.
				Mechanisms: Open-loop control system (e.g. Stapler, ice-cream scoop) / Closed-loop system (e.g. Water cistern) / Mechanisms for transmission, conversion and control of motion / Practical application of mechanisms (e.g. levers, linkages, screw, rack and pinion, pulley, cams, gears, springs)
				Electronics: Open-loop control system (e.g. Table lamp, Digital thermometer / Closed-loop system (e.g. Air-conditioner, Hot water dispenser) / Electronic kits for practical application (e.g. counting, sensing of light, moisture and temperature) / Knowledge of electronic components
14	Art	6125 Paper 2 (3 hours)	Paper 1: 4A2 Coursework Prep by 25 April 2022 (60 marks)	Paper 2 Students to respond to the Art exam paper question which will be released 3 weeks in advance for
			Paper 2: Drawing and Painting (40 Marks)	students to respond. An A3 prep work will be required for students to bring into the Art MYE venue to refer to.
				NFS Textbook Chapters 1-6: Nutrients Chapter 7: Diet & Health Problems Chapter 8: Diet & Meal Planning Chapter 9: Meal Analysis Chapter 11: Preparation & Cooking of Food Chapter 14: Sensory Evaluation of Food
15(a)	Nutrition & Food Science	6073 Paper 1 1 hour 30 min	Section A: 16m (MCQ) Section B: Short answer type questions, data response questions Section C: 24m (2 open-ended questions) Total: 80 marks	Chapter 15: Food Safety

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
45/5	Nutrition & Food Science	6073 Paper 2		
15(b)	(N-level Practical)	2.5 hours	Candidates to come properly attired for practical exam.	N.A

#### **SEC 4 NORMAL TECHNICAL**

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
1a	English Language	Paper 1: 1 hr 15 mins  Paper 2: 1 hr 20 mins  Paper 3: About 45 minutes  Paper 4: Refer to Schedule	Paper 1 - Writing (60m) Section A: Functional Tasks Part 1: Form Filling (10m) - Candidates fill in a form based on given information. Part 2: Functional Writing (20m) - Candidates write about 80 words based on the context provided in Part 1. Section B: Guided Writing (30m) - Candidates write a text of at least 180 words. A stimulus text, which may include visuals, will be provided.  Paper 2 - Language Use and Comprehension (80m) Section A: Language Use Part 1: Editing (10m) - Candidates edit grammatical errors in a given text. Part 2: Language in Spoken Context (10m) - Candidates complete a transcript of a spoken text. Part 3: Modified Cloze I (10m) - Candidates complete a cloze passage testing vocabulary. Part 4: Modified Cloze II (10m) - Candidates complete a cloze passage testing grammar. Section B: Reading Comprehension Part 5: Comprehension I (10m) - Candidates answer questions on an informational text. Part 6: Comprehension II (30m) - Candidates answer questions on a text with visuals.  Paper 3 - Listening (20m) Candidates complete a variety of listening tasks.  Paper 4 - Oral Communication (40m) The two parts in this paper are thematically linked. Part 1: Reading Aloud (15m) - Candidates read aloud a short text, presented on a computer screen.  Part 2: Spoken Interaction (25m) - Candidates engage in a discussion with the examiners on a topic based on a visual stimulus, in the form of a video clip.	NA
1b	English Language (OOS)	Paper 1: 1h 50min Paper 2: 1h 50 min Paper 3: Approximately 50 min Paper 4: Refer to Schedule	Paper 1 Paper 1 Section A - Editing (10 marks) Paper 1 Section B - Situational Writing (30 marks) Paper 1 Section C - Continuous Writing (30 marks)  Paper 2 Paper 2 Section A - Structured Questions on Visual Text (5 marks) Paper 2 Section B - Structured Questions on Narrative Text (20 marks) Paper 2 Section C - Structured Question on Non-narrative Text (25 marks)  Paper 3 - Listening Comprehension (30 marks)  Paper 4 - Oral Communications (30 marks) Reading Aloud (10 marks) Spoken Interaction (20 marks)	NA

#### **SEC 4 NORMAL TECHNICAL**

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
		Paper 1: 50min	Paper 1 (30 marks)	NA Shapter 7 Topie
	l	Oral: please refer to schedule		
		Listening comprehension:	b) Comprehension (MCQ)	
		35min	c) Comprehension (short ans)	
			, , , , , , , , , , , , , , , , , , , ,	
2a	Mother Tongue (BCL)		Oral [50 marks]	
	l		A) Reading aloud (20 marks)	
	l		B) Video response and Conversation (30 marks)	
			` '	
			Listening Comprehension [20 marks]	
		Paper 1: 2 hr	Paper 1 [60 marks]	NA
		Paper 2: 1 hr 30min	A) Email writing (2 choose 1) (20 marks)	
		Oral: please refer to schedule	B) Essay writing (3 choose 1) (40 marks)	
		Listening comprehension:		
		35min	Paper 2 [60 marks]	
	l		A) Cloze passage (10 marks)	
			B) Comprehension (MCQ) (20 marks)	
2b	Mother Tongue (CL) (OOS)		C) Comprehension (open-ended) (30 marks)	
	l			
	l		Oral [60 marks]	
	l		A) Reading aloud (20 marks)	
	l		B) Video response and Conversation (40 marks)	
			Listening Comprehension [20 marks]	
			======================================	
		Paper 1: 50min	Paper 1 [30 marks]	NA
	l	Oral: please refer to schedule	A) Language Application	
		Listening comprehension:	B) Comprehension (MCQ)	
		35min	C) Comprehension (short ans)	
3a	Mother Tongue (BML)		Oral [50 marks]	
Ja	Motifor Forigue (Divie)		A) Reading aloud (20 marks)	
			B) Video response and Conversation (30 marks)	
			Listening Comprehension [20 marks]	
		Paper 1: 2 hr	Paper 1 [60 marks]	NA
		Paper 2: 1 hr 30min	A) Email writing (2 choose 1) (20 marks)	
	l	Oral: please refer to schedule	B) Essay writing (4 choose 1) (40 marks)	
		Listening comprehension:		
		35min	Paper 2 [60 marks] A) Affixes (10 marks)	
	l		(A) Afrixes (10 marks) (B) Proverbs (5 marks)	
			C) Cloze (5 marks)	
3a	Mother Tongue (ML) (OOS)		D) Comprehension (MCQ) (10 marks)	
			E) Comprehension including vocabulary (open-ended) (30 marks)	
			Oral [60 marks]	
	l		A) Reading aloud (20 marks)	
	l		B) Video response and conversation (40 marks)	
			Listening Comprehension [20 marks]	

#### **SEC 4 NORMAL TECHNICAL**

of 5-5 masks developed around a context. Sudderts are required to name with a will cover topics from the strands: Sudderts are required to name all questions with will cover topics from the strands: Page 2-1-1-3 flord questions with weighting of 2-4 marks. 2 longer questions with weighting by the strands: Sudderts are required to another all questions with weighting of 2-4 marks. 2 longer questions with weighting by the strands: Sudderts are required to another all questions which will cover topics from the strands: Sudderts are required to another all questions which will cover topics from the strands: Sudderts are required to another all questions which will cover topics from the strands: Sudderts are required to another all questions which will cover topics from the strands: Sudderts are required to another all questions of the strands: Sudderts are required to another all questions of the strands: Sudderts are required to another all questions of the strands: Sudderts are required to another all questions of the strands: Sudderts are strands and one strands: Sudderts are to answer ALL questions of the strands: Sudderts are to answer ALL questions of the strands: Sudderts are to answer ALL questions of varying lengths and of which 1 questions in the strands: Sudderts are required to answer all questions of the strands: Sudderts are required to answer all questions of the strands: Sudderts are required to answer all questions of the strands: Sudderts are required to answer all questions and probability strand. Sudderts are required to answer all questions of which students will be required to answer all questions in Socials B will be based on the undefined content and there will be required to answer all questions and frobability strand. Sudderts are required to answer all the strands and	No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
Students are required to ensever all questions which will over topics from the strands:    Numbers and Algebra   Numbers and Algebra   Real-world Controls related to Number and Algebra and Geometry and Measurement   Go mansis    Paper 2: 1-15 short questions with weightage of 2-4 marks. 2 longer questions with weightage   Algebra and solventing demonst accessions.				Paper 1: 11–13 short questions with weightage of 2–4 marks. 2 longer questions with weightage	·
**Numbers and Algebra  Genometry and Measurement  Final world Contents related to Number and Algebra and Geometry and Measurement  Final world Contents related to Number and Algebra and Geometry and Measurement  Final world Contents are required to answer all questions which weightage of 2.4 marks. 2 longer questions with weightage of 3.5 marks developed amount a content.  Students are required to answer all questions which will cover topics from the strands:  **Geometry and Measurement  **Real-world Contents related to Numbor and Algebra and Statistics and Probability  **Borney and Measurement  **Real-world Contents related to Numbor and Algebra and Statistics and Probability  **Borney **Phylogoras** Theorem 8. Trigonometry  **Paper 1: 2 hrs  **Paper 2: 2 hrs  **Paper 3: 4 bout 25 short answer questions testing more on fundamental skills and  oncopels.  **Suthers are to answer ALL questions  **Borney Theorem 8. Trigonometry  **Paper 9. The Contents are required to answer all  questions in Problems in Real World context. Students are required to answer all  questions in Problems in Real World context. Students are required to answer all  one question from the "Competity and Measurement stand and one from the "Statistics  ***Applications of Trigonometry  ***The questions in Section B will be based on the underlined content and there will be  one question from the "Competity and the probability of the probability  and Probability strand.  ***End question in Section B will be based on the underlined content and there will be  one question from the "Competity and one from the "Statistics   ***The questions in Section B wil			P2: 1 hr 30 mins		
Geometry and Measurement   Fearward Contents related to Number and Algebra and Geometry and Measurement   Fearward Contents related to Number and Algebra and Geometry and Measurement   Fearward Contents related to Paper 2: 1-13 short questions with weightage of 2-4 marks. 2 longer questions with weightage of 0-6-8 marks developed around a content.					
Feathworld Contexts related to Number and Algebra and Geometry and Measurement (50 marks)					
Stormarks   Paper 2 - 1 - 1-1 short questions with weightage of 2 - 4 marks. 2 longer questions with weightage of 2 - 4 marks. 2 longer questions with weightage Schore					
Authermatics  Paper 2: 11-13 short questions with weightage of 2-4 marks. 2 longer questions with weightage of 2-4 marks. 2 longer questions with weightage bolders are vegured to answer at questions which will cover topics from the strands:  Obsorbers are vegured to answer at Questions which will cover topics from the strands:  - Geometry and Measurement - Real-world Contexts related to Number and Algebra and Statistics and Probability Pyrtiagoras' Theorem & Trigonometry Mensuration  For Paper 1: Answer Algebra and Statistics and Probability Pyrtiagoras' Theorem & Trigonometry Mensuration  For Paper 2: Bar graphs, the charts, dot diagrams, histograms team, team, fixedian, Mode Cumulative Frequency, Quartiles, Percentiles Probability Propers. Pyrtiagoras and Numbers Probability Propers. Pyrtiagoras and Numbers Propers. Pyrtiagoras and Numbers Reper 2: 2 hrs Students are to answer ALL questions (80 marks)  Paper 2: 2 brs Students are to answer ALL questions (80 marks)  Paper 2: 5 ection A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions is on Problems in Real World context. Students are required to answer all questions of which students will be required to answer all answer probability strand.  Ab Mathematics (OOS)  Mathematics (OOS)  Mathematics (OOS)  Applications of Trigonometry (1 pages) and Probability strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  (50 marks)  Applications of Trigonometry (1 pages) and Applications of Whistors (2 pages) and Applications of Trigonometry (1 pages).  - Seal-World Context Surface Areas & Volumes (5 Proportions & Graphs) (1 pages).  - Seal-World Context Surface Areas & Volumes (5 Proportions & Graphs) (1 pages).				·	
Ala Mathematics    Paper 2: 1-1-3 short questions with weightage of 2-4 marks. 2 longer questions with weightage of 2-4 marks. 3 longer questions with weightage of 2-4 marks. 3 longer questions with weightage of 2-4 marks. 4 longer questions of longer properties. 4 longer questions of longer properties. 4 longer propert				[50 marks]	
da Mathematics    Agency   Age				Pener 2: 11 12 short guestions with weighters of 2 4 marks 2 languages guestions with weighters	
And Mathematics    Students are required to answer all questions which will cover topics from the strands:   Numbers and Algebra   Angest, Trangles, Quadrilaterals     Symmetry   Real-world Contexts related to Number and Algebra and Statistics and Probability     Paper 1: 2 hrs   Paper 1: 2 hrs     Paper 2: 2 hrs   Paper 2: 2 hrs     Paper 2: 2 hrs   Paper 2: 2 hrs     Paper 3: 2 hrs   Paper 3: 2 hrs     Paper 4: - About 25 short answer questions testing more on fundamental skills and concepts.     Paper 3: 2 hrs   Paper 3: 2 hrs     Paper 4: - About 25 short answer questions testing more on fundamental skills and questions     Paper 5: - Paper 6: - Section A will contain 6 to 10 questions of varying lengths and of which 1     Questions   Paper 6: - Section B will contain 9 to 10 questions of varying lengths and of which 1     Questions   Paper 6: - Section B will contain 2 questions     Paper 7: - Paper 8: - Paper 8: - Paper 9: - P					Solving Equations
Numbers and Algebra and Measurement   Real-world Contexts related to Number and Algebra and Statistics and Probability   So marks				!	For Pener 1.
- Geometry and Measurement - Real-world Contexts related to Number and Algebra and Statistics and Probability   Physagoras Trecorm & Trigonometry Mensuration	4a	Mathematics			•
- Real-world Contexts related to Number and Algebra and Statistics and Probability    Pythagora's Theorem & Trigonometry Mensuration					
So marks					, ,
For Paper 2: Bar graphs, pie charts, dot diagrams, histograms Mean, Medicalin, Mode Curndative Frequency, Quartiles, Percentiles Probability  Paper 1: 2 hrs Paper 2: 2 hrs Concepts. Students are to answer ALL questions [80 marks] Paper 2: - Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions answer only one. The questions in Section B will contain 2 questions of which students will be required to answer all questions in Section B will contain 2 questions of which students will be required to answer all questions in Section B will contain 2 questions of which students will be required to answer all questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.  4b Mathematics (OOS)  Mathematics (OOS)  Mathematics (OOS)  Mathematics (OOS)  For Paper 2: Bar graphs, pie charts, dot diagrams, histograms Mean, Mean, Mealing, Mean,					
Bar graphs, pie charts, dot diagrams, histograms Mean, Median, Mode Cumulative Frequency, Quartiles, Percentiles Probability  Paper 1: 2 hrs Paper 2: 2 hrs Students are to answer ALL questions (80 marks)  Paper 2: - Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions.  Section B will contain 2 questions of which students will be required to answer all questions in Section B will be based on the underlined content and there will be none question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Bar graphs, pie charts, dot diagrams, histograms Mean, Mean, Median, Mode Cumulative Frequency, Quartiles, Percentage  Both Papers: Pythagoras and Nuumbers Paper 1  1. Numbers & their operations  2. Ratio & Proportion  3. Percentage  4. Rate & Speed  5. Functions & Graphs  7. Equations & Inequalities  8. Problems in Real World Context  9. Problems in Real World Context  9. Problems in Real World Context  10. Congruence & similarity  11. Numbers & their operations  12. Ratio & Proportion  13. Problems in Real World Context  14. Problems in Real World Context  15. Data Analysis  16. Probability  Paper 2:  18. Stem & Leaf, Box & Whiskers  2. Arc Length, Sector Areas & Radian  3. Applications of Trigonometry  4. Quadrate Equations  5. Real-World Context: Surface Areas & Volumes  6. Functions & Graphs				[	monoul auton
Bar graphs, pie charts, dot diagrams, histograms Mean, Median, Mode Cumulative Frequency, Quartiles, Percentiles Probability  Paper 1: 2 hrs Paper 2: 2 hrs Students are to answer ALL questions (80 marks)  Paper 2: - Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions.  Section B will contain 2 questions of which students will be required to answer all questions in Section B will be based on the underlined content and there will be none question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Bar graphs, pie charts, dot diagrams, histograms Mean, Mean, Median, Mode Cumulative Frequency, Quartiles, Percentage  Both Papers: Pythagoras and Nuumbers Paper 1  1. Numbers & their operations  2. Ratio & Proportion  3. Percentage  4. Rate & Speed  5. Functions & Graphs  7. Equations & Inequalities  8. Problems in Real World Context  9. Problems in Real World Context  9. Problems in Real World Context  10. Congruence & similarity  11. Numbers & their operations  12. Ratio & Proportion  13. Problems in Real World Context  14. Problems in Real World Context  15. Data Analysis  16. Probability  Paper 2:  18. Stem & Leaf, Box & Whiskers  2. Arc Length, Sector Areas & Radian  3. Applications of Trigonometry  4. Quadrate Equations  5. Real-World Context: Surface Areas & Volumes  6. Functions & Graphs					For Paper 2:
Mean, Median, Mode Cumulative Frequency, Quartiles, Percentiles Paper 1: 2 hrs Paper 2: 2 hrs Paper 3: About 25 short answer questions testing more on fundamental skills and concepts. Students are to answer ALL questions [80 marks]  Paper 2: Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistists and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.  (60 marks)  Mathematics (OOS)  M					
Paper 1: 2 hrs Paper 2: 2 hrs Paper 2: 2 hrs Paper 2: 2 hrs Paper 3: 4 bout 25 short answer questions testing more on fundamental skills and concepts. Students are to answer ALL questions [80 marks] Paper 2: • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. • Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.    Wathematics (OOS)   Paper 2: 1. Stem & Leaf, Box & Whiskers					
Paper 1: 2 hrs Paper 2: 2 hrs Paper 2: 2 hrs Paper 2: 2 hrs Paper 3: About 25 short answer questions testing more on fundamental skills and concepts. Students are to answer ALL questions [80 marks] Paper 2: • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. • Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks. [60 marks]  Mathematics (OOS)  Paper 1: About 25 short answer questions from 10 questions of varying lengths and of which 1 questions are required to answer all questions.  - Section B will contain 2 questions of which students will be required to answer all questions & Inequalities  - Equations & Inequalities - Fugurations & Inequalities - Fugurations & Inequalities - Paper 1: About 25 short answer questions from 1 questions for varying lengths and of which 1 - Rate & Speed - Rate & Spee					Cumulative Frequency, Quartiles, Percentiles
Paper 2 : 2 hrs  concepts. Students are to answer ALL questions [80 marks]  Paper 2 : • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. • Section B will contain 2 questions of which students will be required to answer all question in Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (COOS)  Mathematics (COOS)  Paper 2 : 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs					Probability
Paper 2 : 2 hrs  concepts. Students are to answer ALL questions [80 marks]  Paper 2 : • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. • Section B will contain 2 questions of which students will be required to answer all question in Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (COOS)  Mathematics (COOS)  Paper 2 : 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs			- 1 O.		
Students are to answer ALL questions [80 marks]  Paper 2: • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions. • Section B will contain 2 questions of which students will be required to answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand. Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  1. Numbers & their operations 2. Ratio & Proportion 3. Percentage 4. Rate & Speed 5. Functions & Graphs 7. Equations & Inequalities 8. Problems in Real World Context 9. Angles, triangles, polygons 10. Congruence & similarity 11. Pythagoras' theorem & trigonometry 12. Mensuration and Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				i i i i i i i i i i i i i i i i i i i	
Ratio & Proportion   Section A will contain 9 to 10 questions of varying lengths and of which 1 questions in Problems in Real World context. Students are required to answer all questions.  - Section B will contain 2 questions of which students will be required to answer answer only one.  The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' stand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]    Mathematics (OOS)   Paper 2:			Paper 2 : 2 hrs	· ·	·
Paper 2: • Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions.  • Section B will contain 2 questions of which students will be required to answer only one.  The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics' and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Applications of Trigonometry 11. Pythagoras' theorem & trigonometry 12. Mensuration and Area Sector 13. Applications of Trigonometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Are Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs					
Paper 2: - Section A will contain 9 to 10 questions of varying lengths and of which 1 question is on Problems in Real World context. Students are required to answer all questions.  - Section B will contain 2 questions of which students will be required to answer only one.  The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  A Rate & Speed 5. Algebraic expressions & formulae 6. Functions & Inequalities 9. Problems in Real World Context 9. Angles, triangles, polygons 10. Congruence & similarity 11. Pythagoras' theorem & trigonometry 12. Mensuration and Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Leaf, Box & Whiskers 2. Arc Leaf, Box & Whiskers 3. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs 9. Angles, triangles, polygons 10. Congruence & similarity 11. Pythagoras' theorem & trigonometry 12. Mensuration and Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Leaf, Box & Whiskers 3. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				[80 marks]	
question is on Problems in Real World context. Students' are required to answer all questions.  Section B will contain 2 questions of which students will be required to answer only one.  The question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  Algebraic expressions & formulae  6. Fluctions & Inequalities  8. Problems in Real World Context  9. Angles, triangles, polygons  10. Congruence & similarity  11. Pythagoras' theorem & trigonometry  12. Mensuration and Area Sector  13. Coordinate Geometry  14. Problems in Real World Context  15. Data Analysis  16. Probability  17. Equations & Inequalities  8. Problems in Real World Context  18. Topolems in Real World Context  19. Topolems in Real					3. Percentage
questions.  Section B will contain 2 questions of which students will be required to answer only one.  The question in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks. [60 marks]  Mathematics (OOS)  Mathematics (OOS)  Applications & Graphs  Equations & Inequalities  Problems in Real World Context  10. Congruence & similarity  11. Pythagoras' theorem & trigonometry  12. Mensuration and Area Sector  13. Coordinate Geometry  14. Problems in Real World Context  15. Data Analysis  16. Prunctions & Graphs  7. Equations & Graphs  7. Equations & Graphs  9. Angles, triangles, polygons  10. Congruence & similarity  11. Pythagoras' theorem & trigonometry  12. Mensuration and Area Sector  13. Coordinate Geometry  14. Probability  Paper 2:  1. Stem & Leaf, Box & Whiskers  2. Arc Length, Sector Areas & Radian  3. Applications of Trigonometry  4. Quadratic Equations  5. Real-World Context: Surface Areas & Volumes  6. Functions & Graphs					
**Section B will contain 2 questions of which students will be required to answer only one.  The question in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  **Mathematics (OOS)**  Mathematics (OOS)**  Mathematics (OOS)**  **Mathematics (OOS)**  Mathematics (OOS)**  **Mathematics (OO				question is on Problems in Real World context. Students are required to answer all	5. Algebraic expressions & formulae
answer only one. The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  Background Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				questions.	6. Functions & Graphs
The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  Mathematics				<ul> <li>Section B will contain 2 questions of which students will be required to</li> </ul>	7. Equations & Inequalities
The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Bach question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  Mathematics (OOS)  The questions in Section B will be based on the underlined content and there will be one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' 10. Congruence & similarity 11. Pythagoras' theorem & trigonometry 12. Mensuration and Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2:  1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				answer only one.	8. Problems in Real World Context
one question from the 'Geometry and Measurement' strand and one from the 'Statistics and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Mathematics (OOS)  M					9. Angles, triangles, polygons
and Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Ab Mathematics (OOS)  Mathematics (OOS)  Mathematics (OOS)  And Probability' strand.  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  11. Pythagoras' theorem & trigonometry  12. Mensuration and Area Sector  13. Coordinate Geometry  14. Problems in Real World Context  15. Data Analysis  16. Probability  Paper 2:  1. Stem & Leaf, Box & Whiskers  2. Arc Length, Sector Areas & Radian  3. Applications of Trigonometry  4. Quadratic Equations  5. Real-World Context: Surface Areas & Volumes  6. Functions & Graphs				· ·	10. Congruence & similarity
Mathematics (OOS)  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  Each question carries the same number of marks, that is, either 7 or 8 marks.  [60 marks]  12. Mensuration and Area Sector 13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				· ·	11. Pythagoras' theorem & trigonometry
4b Mathematics (OOS)  [60 marks]  13. Coordinate Geometry 14. Problems in Real World Context 15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				· ·	12. Mensuration and Area Sector
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15. Data Analysis 16. Probability  Paper 2: 1. Stem & Leaf, Box & Whiskers 2. Arc Length, Sector Areas & Radian 3. Applications of Trigonometry 4. Quadratic Equations 5. Real-World Context: Surface Areas & Volumes 6. Functions & Graphs				[ou manu]	
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					7. Data Analysis & Probability
8. Properties of Circle					8. Properties of Circle

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No.	Subject	Duration Paper 1: 1h	Format of MYE (Marks)  Paper 1: Multiple Choice [40 marks]	Chapter / Topic All topics since sec 3
5a	Science	Paper 2: 1h 15 min	Paper 2: Structured questions [60 marks]	Module 4 Chapter 1: Energy and its Uses Chapter 2: Energy transfer through Waves Chapter 3: Effects of Forces Chapter 4: Electricity Chapter 5: Sources of Electricity Module 5 Chapter 6: Sources of Food Chapter 7: Food Chemistry Chapter 8: Food Health and Safety Module 6 Chapter 9: Digestion Chapter 10: Breathing Chapter 11: Fitness and Cardiac Health Chapter 12: Staying Healthy
5b	Science (Chemistry) (OOS)	5105/5107 Papers 3 and 4: 1hr 15min	Paper 3: 20 compulsory multiple choice questions (20 marks)  Paper 4 Section A - Compulsory structured questions (14 marks) Section B - Three structured questions. Answer only two out of three questions. (16 marks)	From Textbook Chapter 1. Kinetic Particle Theory Chapter 2. Measurement and Experimentat 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. Chemical Calculations Chapter 9. Acids and Bases Chapter 10. Salts Chapter 11. Metals Chapter 12. The Periodic Table Chapter 14. An Introduction to Organic Chemistry
5c	Science (Biology) (OOS)	5107 Paper 1 and Paper 2 (together) 1hr 15min	Paper 1: 20 marks (20 x MCQs) Paper 2 stuctured qns: Section A 14 marks, Section B 16 marks (3 Qns, choose 2 Qns. Each Qn is 8 marks)	Chapter 2 Cells Chapter 3 Movement of Substances Chapter 4 Nutrients Chapter 5 Enzymes Chapter 6 Nutrition in Humans Chapter 7 Nutrition in Plants Chapter 8 Transport in Humans Chapter 9 Transport in Plants Chapter 10 Respiration in Humans Chapter 11 The Nervous System Chapter 12 Reproduction in Plants Chapter 13 Reproduction in Humans (only reproductive structures)
5d	Science (Physics) (OOS)	5105 Paper 1 and Paper 2 (together) 1hr 15min	Paper 1: 20 marks (20 x MCQs) Paper 2 stuctured qns: Section A 14 marks, Section B 16 marks (3 Qns, choose 2 Qns. Each Qn is 8 marks)	Textbook: Chpt 1 Measurement to Chpt 14 D.C. Circuits
6	Computer Applications	Paper 1,2 & 3	Paper 1 - MCQ (20m), structured (40m) Paper 2 - Practical (70m) Paper 3 - Practical (70m)	Theory Paper 1: CPF(computer fundamentals), MEL(multimedia elements), DOP,(document processing), AGM(animation and gaming), SST (spreadsheets), IMC (presentation slides) Practical paper 2: Graphic Drawing, Dcoument processing, Presentation slides Practical paper 3: Video Editing, Spreadsheet, Gaming

No.	Subject	Duration	Format of MYE (Marks)	Chapter / Topic
7	Elements of Business Skills	Paper 1 (1 hr 30 min)	Paper 1 -Short response and structured questions (100m)	Chapter 1: Introduction to Business Chapter 2: Businesses in the Travel and Tourism, Hospitality and Retail Industries Chapter 3: Introduction to Marketing Chapter 4: The Marketing Mix Chapter 5: Communication with the Customer Chapter 6: Customer Service
8	Music	6129/1 ( Listening)	Paper 1 Part A: Listening, Multiple Choice Questions (20marks)  Part B: Listening, Short Answer Questions (20marks)  Total: 40 marks	1. Popular Music from 2000 onwards, focusing on the following genres: 1.1. Pop 1.2. Rock 1.3. R&B 1.4. Electronic Dance Remix  2. Western Classical Music, focusing on the following genre: 2.1. Programme Music  3. Music for Film and Television, focusing on the following musical conventions: 3.1. Emotive Music Cues 3.2. Action Music Cues  4. Music from Local Cultures, focusing on the following Music Traditions in Singapore 4.1. Malay Ensemble Music 4.2. Chinese Ensemble Music 4.3. Indian Ensemble Music