Sec Three End Of Year Examinations (2024)

NT

23 Sep (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	9:20	9:35	1195	1	ENGLISH LANGUAGE	NT	WRITTEN	1:20	#
2	11:00	12:20	12:35	1195	2	ENGLISH LANGUAGE	NT	WRITTEN	1:20	

1 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	8:30	8:30	1202	1	BASIC CHINESE	NT	WRITTEN	0:30	#
1	8:00	8:30	8:30	1203	1	BASIC MALAY	NT	WRITTEN	0:30	#
1	8:00	8:30	8:30	1204	1	BASIC TAMIL	NT	WRITTEN	0:30	#
2	9:30	10:10	10:10	1202	2	BASIC CHINESE	NT	WRITTEN	0:40	#
2	9:30	10:10	10:10	1203	2	BASIC MALAY	NT	WRITTEN	0:40	#
2	9:30	10:10	10:10	1204	2	BASIC TAMIL	NT	WRITTEN	0:40	#

2 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:30	10:00	10:25	4046	2	MATHEMATICS	NT	WRITTEN	1:30

3 Oct (Thurs)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	9:30	9:55	4046	1	MATHEMATICS	NT	WRITTEN	1:30	
2	11:00	12:30	12:55	A101	2	MOBILE ROBOTICS	NT	PRACTICAL	1:30	#

4 Oct (Fri)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:00	8:50	8:50	5148	2	SCIENCE	NT	WRITTEN	0:50
2	10:30	11:15	11:15	1195	3	ENGLISH LANGUAGE	NT	LC	0:45

7 Oct (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	9:30	9:55	7018	3	COMPUTER APPLICATIONS	NT	PRACTICAL	1:30	#
2	11:00	-		1202 1203 1204	3	MOTHER TONGUE	NT	ORAL	0:15	

8 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	9:00	9:15	5148	1	SCIENCE	NT	WRITTEN	1:00	#

9 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	10:00	10:25	7066	1	ELEMENTS OF BUSINESS SKILLS	NT	WRITTEN	1:30	
1	8:30	9:30	9:45	A101	1	MOBILE ROBOTICS	NT	WRITTEN	1:00	
2	11:30	13:00	-	7018	2	COMPUTER APPLICATIONS	NT	PRACTICAL	1:30	#

NA

23 Sep (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:00	9:50	10:15	1190	1	ENGLISH LANGUAGE	NA	WRITTEN	1:50
2	11:00	12:50	13:15	1190	2	ENGLISH LANGUAGE	NA	WRITTEN	1:50

1 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:00	10:00	10:30	1196	1	CHINESE	NA	WRITTEN	2:00	
1	8:00	10:00	10:30	1197	1	MALAY	NA	WRITTEN	2:00	
1	8:00	10:00	10:30	1198	1	TAMIL	NA	WRITTEN	2:00	
2	11:30	13:00	13:25	1196	2	CHINESE	NA	WRITTEN	1:30	#
2	11:30	13:00	13:25	1197	2	MALAY	NA	WRITTEN	1:30	#
2	11:30	13:00	13:25	1198	2	TAMIL	NA	WRITTEN	1:30	#

2 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	
1	8:30	10:00	10:25	4045	2	MATHEMATICS	NA	WRITTEN	1:30	
1	11:40	13:25	13:50	2125 2126 2127	1	HUMANITIES (SS)	NA	E-WRITTEN	1:45	#

3 Oct (Thurs)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:00	9:30	9:55	4045	1	MATHEMATICS	NA	WRITTEN	1:30
2	11:00	12:10	12:25	2125	2	HUMANITIES (GEOG)	NA	WRITTEN	1:10
2	11:00	12:50	13:15	2126	2	HUMANITIES (HIST)	NA	WRITTEN	1:50
2	11:00	12:40	13:05	2127	2	HUMANITIES (LIT IN ENGLISH)	NA	WRITTEN	1:40

4 Oct (Fri)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1				5105 / 5107	3	SCIENCE (CHEM)			
1	8:00	9:15	9:30	5105 / 5107	4	SCIENCE (CHEM)	NA	WRITTEN	1:15
2	10:30	11:15	11:15	1190	3	ENGLISH LANGUAGE	NA	LC	0:45

7 Oct (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:00	9:45	10:10	4051	-	ADDITIONAL MATHEMATICS	NA	WRITTEN	1:45
2	11:00	-		1196 1197 1198	3	MOTHER TONGUE	NA	ORAL	0:15

8 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1				5105	1	SCIENCE (PHY)	NA	WRITTEN	
1	8:00	9:15	9:30	5105	2	SCIENCE (PHY)	NA	WRITTEN	1:15
1				5107	5	SCIENCE (BIO)	NA	WRITTEN	
1	8:00	9:15	9:30	5107	6	SCIENCE (BIO)	NA	WRITTEN	1:15
2	11:00	13:00	13:30	7086	2	PRINCIPLES OF ACCOUNTS	NA	WRITTEN	2:00

9 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:30	10:00	10:25	7055	1	DESIGN AND TECHNOLOGY	NA	WRITTEN	1:30
1	8:30	10:00	10:25	6073	1	NUTRITION AND FOOD SCIENCE	NA	WRITTEN	1:30
2	11:30	12:30	12:45	7086	1	PRINCIPLES OF ACCOUNTS	NA	WRITTEN	1:00

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23 Sep (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	9:50	10:15	1184	1	ENGLISH LANGUAGE	O	WRITTEN	1:50	155
2	11:00	12:50	13:15	1184	2	ENGLISH LANGUAGE	O	WRITTEN	1:50	155

1 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	10:00	10:30	1160	1	CHINESE	O	WRITTEN	2:00	120
1	8:00	10:00	10:30	1148	1	MALAY	O	WRITTEN	2:00	21
1	8:00	10:00	10:30	1157	1	TAMIL	O	WRITTEN	2:00	15
1	8:00	10:00	10:30	1116	1	HIGHER CHINESE	O	WRITTEN	2:00	31
1	8:00	10:00	10:30	1117	1	HIGHER MALAY	O	WRITTEN	2:00	6
2	11:30	13:00	13:25	1160	2	CHINESE	O	WRITTEN	1:30	120
2	11:30	13:00	13:25	1148	2	MALAY	O	WRITTEN	1:30	21
2	11:30	13:00	13:25	1157	2	TAMIL	O	WRITTEN	1:30	15
2	11:30	13:15	13:40	1116	2	HIGHER CHINESE	O	WRITTEN	1:45	31
2	11:30	13:15	13:40	1117	2	HIGHER MALAY	O	WRITTEN	1:45	6

2 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:30	10:00	10:25	4052	2	MATHEMATICS	O	WRITTEN	1:30	167
1	11:40	13:25	13:50	2260 2261 2262	1	HUMANITIES (SS)	O	WRITTEN	1:45	160

3 Oct (Thurs)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	9:30	9:55	4052	1	MATHEMATICS	O	WRITTEN	1:30	167
2	11:00	12:10	12:25	2260	2	HUMANITIES (GEOG)	O	WRITTEN	1:10	65
2	11:00	12:50	13:15	2261	2	HUMANITIES (HIST)	O	WRITTEN	1:50	71
2	11:00	12:40	13:05	2262	2	HUMANITIES (LIT IN ENGLISH)	O	WRITTEN	1:40	22

4 Oct (Fri)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	9:45	10:10	6092	2	CHEMISTRY	O	WRITTEN	1:45	99
1	8:00	9:15	9:30	5088	3	SCIENCE (CHEM)	O	WRITTEN	1:15	34
1	8:00	9:15	9:30	5086	3	SCIENCE (CHEM)	O	WRITTEN	1:15	33
2	10:30	11:15	11:15	1184	3	ENGLISH LANGUAGE	O	LC	0:45	155
3	12:00	14:00	14:30	7087	2	PRINCIPLES OF ACCOUNTS	O	WRITTEN	2:00	37

7 Oct (Mon)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	10:00	10:30	4049	-	ADDITIONAL MATHEMATICS	O	WRITTEN	2:00	150
2	11:30	13:15	13:40	6091	2	PHYSICS	O	WRITTEN	1:45	48

8 Oct (Tues)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates	
1	8:00	9:45	10:10	6093	2	BIOLOGY	O	WRITTEN	1:45	61	
1	8:00	9:15	9:30	5086	2	SCIENCE (PHY)	O	WRITTEN	1:15	33	
1	8:00	9:15	9:30	5088	4	SCIENCE (BIO)	O	WRITTEN	1:15	34	
2	11:00	12:45	13:10	2279	1	GEOGRAPHY	O	WRITTEN	1:45	47	
2	11:00	13:00	13:30	7087	2	PRINCIPLES OF ACCOUNTS	O	WRITTEN	2:00	37	
2	11:00	13:00	13:30	7155	2	COMPUTING	O	PRACTICAL	2:00	19	#

9 Oct (Wed)

Shift	Start	End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:30	9:30	9:45	6092	1	CHEMISTRY	O	WRITTEN	1:00	99
2	11:30	12:30	12:45	7087	1	PRINCIPLES OF ACCOUNTS	O	WRITTEN	1:00	38
2	11:30	13:00	13:25	7155	1	COMPUTING	O	WRITTEN	1:30	19
2	11:30	13:10	13:35	2031	2	LITERATURE IN CHINESE	O	WRITTEN	1:40	5

Examination Schedule

NT

Date	Shift	Start		End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
10 Oct (Thurs)	1	8:00	-	8:30	8:30	1202	3	BASIC CHINESE	NT	LC	0:30
	1	8:00	-	8:30	8:30	1203	3	BASIC MALAY	NT	LC	0:30
	1	8:00	-	8:30	8:30	1204	3	BASIC TAMIL	NT	LC	0:30
	2	9:30	-	10:45	-	7018	1	COMPUTER APPLICATIONS	NT	WRITTEN	1:15

NA

Shift	Start		End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration
1	8:00	-	8:45	8:45	1196	3	CHINESE	NA	LC	0:45
1	8:00	-	8:45	8:45	1197	3	MALAY	NA	LC	0:45
1	8:00	-	8:45	8:45	1198	3	TAMIL	NA	LC	0:45
2	9:30	-	13:00	13:45	6073	2	NUTRITION AND FOOD SCIENCE	NA	PRACTICAL	3:30

O

Shift	Start		End	End (AA)	Paper Code	Paper No	Subject	Course	MOA	Duration	No of Candidates
1	8:00	-	8:45	8:45	1160	3	CHINESE	O	LC	0:45	120
1	8:00	-	8:45	8:45	1148	3	MALAY	O	LC	0:45	21
1	8:00	-	8:45	8:45	1157	3	TAMIL	O	LC	0:45	15
2	9:30	-	10:30	10:45	6093	1	BIOLOGY	O	WRITTEN	1:00	61
2	9:30	-	10:30	10:45	5086	1	SCIENCE (PHY/CHEM)	O	WRITTEN	1:00	33
2	9:30	-	10:30	10:45	5088	1	SCIENCE (CHEM/BIO)	O	WRITTEN	1:00	34
3	12:00	-	13:00	13:15	6091	1	PHYSICS	O	WRITTEN	1:00	48

2024 End-of-Year Examinations Topics List

NT

English Language

Paper 1
Sect A: Editing
Sect B: Situational Writing
Sect C: Continuous Writing (Personal Recount, Narrative, Descriptive)

Paper 2
Full Paper

Paper 3
Listening Comprehension

Mathematics

1. Sec 1 Textbook - All Chapters
2. Sec 2 Textbook - All Chapters
3. Sec 3 Textbook - All Chapters

Basic Chinese Language

P1实用文：分享贴文
P1（单元1-5）：语文理解与运用：语文应用、阅读理解一、阅读理解二
P2：口试
P3：听力

Basic Malay Language

Kertas 1 Penulisan Fungsional
Respons Bebas dalam Talian

Kertas 2 Penggunaan Bahasa dan Pemahaman
Bahagian A Melengkapkan Teks
Soalan A1 & A2 (MCQ)

Bahagian B
• Teks Infografik (MCQ)

Bahagian C
• Teks Bacaan (MCQ)

Kertas 3
Lisan
• Bacaan Lantang
• Interaksi Lisan
• Kefahaman Mendengar

NA

English Language

Paper 1
Sect A: Editing
Sect B: Situational Writing
Sect C: Continuous Writing (Personal Recount, Narrative, Argumentative, Discursive, Descriptive, Reflective)

Paper 2
Full Paper

Paper 3
Listening Comprehension

Elementary Mathematics

Sec 1 and 2 Topics tested
1. Numbers (prime numbers, HCL, LCM & etc..)
2. Factors and Multiples
3. Approximation and Estimation
4. Ratio, Rate and Speed
5. Percentage
6. Number patterns
7. Perimeter and Area of Plane Figures
8. Algebraic manipulation
9. Expansion and Factorisation of Algebraic Expressions
10. Quadratic Fractions and Equations
11. Linear Equations in Two variables (includes basic linear inequalities)
12. Maps & Proportion
13. Mensuration- surface area, volume of a solid
14. Angles and parallel lines
15. Statistics (including Mean, Median & mode)

Sec 3 Topics tested
1. Algebraic Expressions & Formulae
2. Quadratic Equations & graphs
3. Indices & standard form
4. Coordinate Geometry
5. Functions and Graphs
6. Trigonometry
7. Applications of trigonometry
8. Congruence & Similarity
9. Area & volume of Similar Figures & Solids
10. Arc Length & sector Areas (in degree only)
11. Linear Inequalities

Chinese Language

P1: 实用文、作文
P2 (单元1-5) 综合填空、阅读理解一、阅读理解二【E Exam】
P3: 口试和听力

Malay Language

Kertas 1: Karangan

Bahagian A
Penulisan Fungsional
• Respons terhadap sebuah blog
• E-mel Rasmi

Bahagian B
Penulisan Esei
• Naratif
• Deskriptif
• Ekspositori

Kertas 2 Penggunaan Bahasa dan Pemahaman
Bahagian A
Penggunaan Bahasa
• Teks Bacaan 1 & 2 (FIB dengan kata-kata bantuan)

Bahagian B
Soalan B1
Melengkapkan Dialog (MCQ)

Soalan B2
Rangsangan Grafik

Bahagian C
Teks Bacaan 3 (OE)

Kertas 3
• Lisan
• Kefahaman Mendengar

O

English Language

Paper 1
Sect A: Editing
Sect B: Situational Writing)
Sect C: Continuous Writing (Personal Recount, Narrative, Argumentative, Discursive, Descriptive, Reflective)

Paper 2
Full Paper

Paper 3
Listening Comprehension

Elementary Mathematics

Sec 1 and 2 Topics
1. Factors and Multiples
2. Approximation and Estimation
3. Polygons and Construction
4. Percentage
5. Number patterns
6. Perimeter and Area of Plane Figures
7. Volume and Surface area of solids
8. Algebraic manipulation
9. Expansion and Factorisation of Algebraic Expressions
10. Quadratic Fractions and Equations
11. Linear Equations in Two variables
12. Map Scale and Proportion

Sec 3 Topics tested
1. Indices
2. Quadratic Equations
3. Linear Inequalities
4. Conditions of Congruency and Similarity
5. Coordinate Geometry
6. Functions and Graphs
7. Trigonometry
8. Applications of trigonometry
9. Angle Properties of Circles
10. Arc Length & Sector Area (degree measure only)

Chinese Language

CL:
P1: 实用文、作文
P2 (单元1-5) 语文应用【综合填空+词语替换】、阅读理解一、阅读理解二
P3: 口试和听力

Malay Language

Kertas 1 Penulisan Fungsional dan Esei

Bahagian A
Penulisan Fungsional
• Respons terhadap sebuah blog/forum
• E-mel Formal

Bahagian B
Penulisan Esei
• Deskriptif
• Ekspositori
• Naratif

Kertas 2 Penggunaan Bahasa dan Pemahaman

Bahagian A
Penggunaan Bahasa
• Tatabahasa
• Respons Bebas

Bahagian B
Soalan B1
Menginterpretasi teks

Soalan B2
Rangsangan Grafik

Bahagian C
Teks Bacaan 3 (OE)

Kertas 3
• Lisan
• Kefahaman Mendengar

NT

Basic Tamil Language

BTL:
Paper 1
நடைமுறை சார்ந்த எழுத்துப்படைப்பு
Paper 2 (மொழி மரபும் பண்பாடும் மற்றும் கருத்தறிதலும்)
A1 மொழிப்பயன்பாடு (MCQ)
A2 மொழிப்பயன்பாடு (MCQ)
B3 மரபுவிளக்கங்களும்,இணைமொழிகளும்(MCQ)
C4 கருத்து விளக்கப்படைக் கருத்தறிதல்(MCQ)
D5 வாசிப்புக் கருத்தறிதல்(MCQ)
Paper 3
வாய்மொழி (Oral)
கேட்டல் கருத்தறிதல் (LC)

Science

Chapter 1: Energy
Chapter 2: Electricity
Chapter 3: Waves
Chapter 4: Effects of Force
Chapter 6: Food Chemistry
Chapter 7: Food Safety
Chapter 8: Staying Healthy (until including Calculating BMI)

Elements of Business Skills

1. Introduction to Business Activities
2. Businesses in the Three Industries
3. Introduction to Marketing
4. The Marketing Mix
5. Communicating with the Customer
6. Customer Service

Computer Applications

Theory Paper 1 (30%)
Practical Paper 2 (35%) - Inkscape, Word, Powerpoint
Practical Paper 3 (35%) - Openshot, Excel, Scratch
Topics
1. Computer Fundamentals (CPF)
2. Media Elements (MEL)
3. Document Processing (DOP)
4. Animation and Game Making (AGM)
5. Spreadsheet (SST)
6. Interactive Multimedia Communications ((IMC)

Mobile Robotics

Paper 1 Theory (30%):
Chapter 1 Mobile Robots
Chapter 2 Basic Electricity
Chapter 3 Basic Electronics
Chapter 4 Digital Electronics
Chapter 5 Design

Paper 2 Practical (70%):
Connect a Control Circuit

NA

Tamil Language

TL
Paper 1 கட்டுரை
'அ' பிரிவு
மின்னஞ்சல் எழுதுதல் (உறவுமுறை மின்னஞ்சல், அலுவல் சார்ந்த மின்னஞ்சல்)
'ஆ' பிரிவு
கட்டுரை
வகைகள்: நிகழ்வு,விளக்கம்,கதை
Paper 2 மொழிமரபும் பயன்பாடும் மற்றும் கருத்தறிததலும்
'அ' பிரிவு
A1 மரபுத்தொடர்களும் இணைமொழிகளும்
A2 முன்னுணர்வுக் கருத்தறிதல்
'ஆ'பிரிவு
B3 தெரிவுவிடைக் கருத்தறிதல்
B4 பிழை திருத்தம்
'இ'பிரிவு
C5 சுயவிடைக் கருத்தறிதல்
Paper 3
வாய்மொழி
வாய்விட்டு வாசித்தல், உரையாடல்
கேட்டல் கருத்தறிதல்

Science Chemistry

1. Experimental Chemistry
2. Kinetic Particle Theory
3. Atomic Structure
4. Chemical Bonding
5. Structure and Properties of Materials
6. Chemical Formulae and Equations
7. The Mole Concept and Stoichiometry
8. Properties of Acids and Bases

Science Physics

1. Physical Quantities, Units and Measurement
2. Kinematics
3. Forces and Pressure
4. Dynamics
5. Energy
6. Kinetic Particle Model of Matter
7. Thermal Processes
8. General Wave Properties I: Introduction
9. Electromagnetic Waves

Science Biology

1. Cell Structure and Organisation
2. Movement of Substances
3. Biological Molecules
4. Enzymes
5. Animal Nutrition
6. Transport in Humans
7. Respiration in Humans

Elective Geography

Total: 35 m [1 hr 15 min]

Section A - Geography of Everyday life + GI [25m]
Topic 1: Thinking geographically
Topic 2: Sustainable Development
Topic 3: Geographical Investigation
(All pages of Textbook of Geography in Everyday Life are covered)

Section B - Climate Cluster- [10m]
Topic 1: Weather and Climate
(Pg 1 - Pg 12 of textbook of Climate)

Elective History

Section A (30 Marks) Source-Based Case Study:
Answer all 5 questions

1. Inference
2. Purpose
3. Comparison
4. Reliability
5. Reaching Judgement

Section B (20 Marks) Structured Essay Question Skills
Answer two out three questions
Explain

Topics:
Chapter 1 - Attempts to Make and Keep Peace
Chapter 2 - Case study of Nazi Germany
Chapter 4 - The outbreak of WWII in Europe
Chapter 5 - The outbreak of WWII in Asia Pacific*

Social Studies

Section A: Source Based Case Study (35m)
1. Inference
2. Purpose
3. Comparison
4. Reliability
5. Evaluation

Section B: Structured Response Question (15m)
1. Opinion response
2. Description & Explanation of Factors

Topics from Textbook:
Chapter 1-6

O

Tamil Language

TL
Paper 1 கட்டுரை
'அ' பிரிவு
மின்னஞ்சல் எழுதுதல் (உறவுமுறை மின்னஞ்சல், அலுவல் சார்ந்த மின்னஞ்சல்)
'ஆ' பிரிவு
கட்டுரை: நிகழ்வு,விளக்கம்,கதை
Paper 2 மொழிமரபும் பயன்பாடும் மற்றும் கருத்தறிததலும்
'அ' பிரிவு
A1 மரபுத்தொடர்களும் இணைமொழிகளும்
A2 முன்னுணர்வுக் கருத்தறிதல்
'ஆ'பிரிவு
B3 தெரிவுவிடைக் கருத்தறிதல்
B4 பிழை திருத்தம்

'இ'பிரிவு
C5 சுயவிடைக் கருத்தறிதல்
Paper 3
வாய்மொழி (Oral)
வாய்விட்டு வாசித்தல், உரையாடல்
கேட்டல் கருத்தறிதல் (LC)

Chemistry

1. Experimental Chemistry
2. Kinetic Particle Theory
3. Atomic Structure
4. Chemical Bonding
5. Structure and Properties of Materials
6. Chemical Formulae and Equations
7. Mole Concept and Stoichiometry
8. Acids and Bases
9. Salts
10. Ammonia
11. Qualitative Analysis
12. Oxidation and Reduction

Physics

1. Physical Quantities, Units and Measurement
2. Kinematics
3. Dynamics I: Mass and Weight
4. Dynamics II: Forces
5. Turning Effect of Forces
6. Pressure
7. Energy
8. Kinetic Particle Model of Matter
9. Thermal Processes
10. Thermal Properties of Matter
11. General Wave Properties I: Introduction
12. General Wave Properties II: Sound
13. Electromagnetic Waves
14. Light (until total internal reflection)

Biology

1. Cell Structure and Organisation
2. Movement of Substances
3. Biological Molecules
4. Enzymes
5. Animal Nutrition
6. Transport in Humans
7. Respiration
8. Excretion
9. Homeostasis and Hormonal Control
10. Nervous system and the Eye
11. Infectious Disease in Humans

Science Physics

1. Physical Quantities, Units and Measurement
2. Kinematics
3. Forces and Pressure
4. Dynamics
5. Turning Effect of Forces
6. Energy
7. Kinetic Particle Model of Matter
8. Thermal Processes
9. General Wave Properties I: Introduction
10. General Wave Properties II: Sound
11. Electromagnetic Waves

Science Biology

1. Cell Structure and Organisation
2. Movement of Substances
3. Biological Molecules
4. Enzymes
5. Nutrition in Humans
6. Transport in Humans
7. Respiration
8. Infectious Diseases in Humans

Science Chemistry

1. Experimental Chemistry
2. Kinetic Particle Theory
3. Atomic Structure
4. Chemical Bonding
5. Structure and Properties of Materials
6. Chemical Formulae and Equations
7. The Mole Concept and Stoichiometry
8. Acids and Bases
9. Qualitative Analysis

NA

Subject	Content
Social Studies	Section A: Source Based Case Study (35m) 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Evaluation Section B: Structured Response Question (15m) 1. Opinion response 2. Description & Explanation of Factors Topics from Textbook: Chapter 1-6
Elective Literature in English	Prose and Unseen Poetry [50 marks] There will be two sections in this paper. • Candidates will select one question from each of the two sections. • In total, candidates will answer two questions. • Each question is 25% of the total weighting. Section A: Prose [25 marks] - How We Live Now ed. by Yu-Mei Balasingamchow (Short Stories: 'Painting the Tiger', 'Close to Home', 'Fireworks') • For this section, one passage-based question and two essay questions will be set. • Candidates will answer one question [25%] Section B: Unseen Poetry [25 marks] • There will be a choice of two unseen poems with one question set (2 part questions) on each poem. • Candidates will answer one of the two questions [25%]. • One question will be set on a Singapore text.
Design and Technology	Design Mechanisms Electronics Refer to https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/7055_y23_sy.pdf
Nutrition and Food Science	1) Nutrients: Carbohydrates, Proteins, Fats, Vitamins, Minerals, Water, Dietary Fibre (pg 1 - 60) 2) Diet & Health Problems (pg 62 - 82) 3) Meal Analysis (pg 109 - 134) 4) Methods of Cooking (pg 189 - 206) 5) Food Reactions (pg 207 - 246)
Principles of Accounts	Paper 1 : 40 marks (1 hour) 3 to 4 questions Paper 2: 60 marks (2 hours) 4 questions Topics covered: Chapter 1 to 9
Additional Mathematics	Textbook Chapter 1 Quadratic Function (Simultaneous Equations) Chapter 2 Quadratic Equations and Inequalities Chapter 3 Surds Chapter 4 Polynomials, Cubic equations and Partial Fractions Chapter 7 Coordinate Geometry (including Equation of Circle) Chapter 9 Trigonometric Functions and Graphs

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Subject	Content
Science Chemistry	1. Experimental Chemistry 2. Kinetic Particle Theory 3. Atomic Structure 4. Chemical Bonding 5. Structure and Properties of Materials 6. Chemical Formulae and Equations 7. The Mole Concept and Stoichiometry 8. Acids and Bases 9. Qualitative Analysis
Additional Mathematics	Topics tested 1. Non-linear Simultaneous Equation 2. Polynomials and Partial Fractions 3. Exponential and Logarithmic functions 4. Surds 5. Quadratic Equations and Inequalities 6. Coordinate Geometry and Equation of Circles 7. Trigonometric Functions and Their Graphs
Principles of Accounts	Paper 1 : 40 marks (1 hour) 3 to 4 questions Paper 2: 60 marks (2 hours) 4 questions Topics covered: Chapter 1 to 9
Computing	Chapter 1: How do computers work Chapter 2: How can algorithms be used to solve problems Chapter 3: How do I use flowcharts and pseudo-code? Chapter 4: How do I write programs? Chapter 5: How can programs be used to solve problems? Chapter 6: How do I ensure that a program works as intended? Chapter 8: How are number systems applied in real life? Chapter 9: How do logic circuits make decisions?
Higher Chinese Language	P1：实用文和作文 P2：语文应用（短文填空&病句修改）、阅读理解一、阅读理解二、片段缩写 P3：口试
Higher Malay Language	Kertas 1: Karangan Bahagian A Penulisan Fungsional • Respons terhadap sebuah forum • E-mel Tidak Rasmi Bahagian B Penulisan Esei • Naratif • Deskriptif • Ekspositori Kertas 2 Penggunaan Bahasa dan Pemahaman Bahagian A Penggunaan Bahasa • Teks Bacaan 1 (FIB) • Teks Bacaan 2 (Penyuntingan) Bahagian B Pemahaman Teks 1 (MCQ & OE) Bahagian C Pemahaman Teks 2 (OE) Pemahaman Teks 3 (OE) Bahagian D Ringkasan Kertas 3 Lisan
Literature in Chinese	A组：现当代短篇小说和古代诗歌选读 （2题选答1题，每题25分。） B组：现当代诗歌选读和文学作品赏析 （2题选答1题，每题25分。）
Elective Geography	Total: 32 m [1 hr 15 min] Section A - Geography of Everyday life + GI [14m] Topic 1: Thinking geographically Topic 2: Sustainable Development Topic 3 : Geographical Investigation (All pages of Textbook of Geography in Everyday Life are covered) Section B - Climate Cluster- [18m] Topic 1: Weather and Climate (Pg 1 - Pg 27 of textbook of Climate)
Social Studies	Section A: Source Based Case Study (35m) 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Evaluation Section B: Structured Response Question (15m) 1. Opinion response 2. Description & Explanation of Factors Topics from Textbook: Chapter 1-6

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Core History	<u>Not offer</u>
Elective History	Section A (30 Marks) Source-Based Case Study: Answer all 5 questions 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Reaching Judgement Section B (20 Marks) Structured Essay Question Skills Answer two out three questions Explain and evaluate Topics: Chapter 1 - Attempts to Make and Keep Peace Chapter 2 - Case study of Nazi Germany Chapter 3 - Case study of Militarist Japan Chapter 4 - The outbreak of WWII in Europe Chapter 5 - The outbreak of WWII in Asia Pacific
Elective Literature	Prose and Unseen Poetry [50 marks] There will be two sections in this paper. • Candidates will select one question from each of the two sections. • In total, candidates will answer two questions. • Each question is 25% of the total weighting. Section A: Prose [25 marks] - The Chrysalids by John Wyndham (Chapters 1 to 6) • For this section, one passage-based question and two essay questions will be set. • Candidates will answer one question [25%] Section B: Unseen Poetry [25 marks] • There will be a choice of two unseen poems with one question set (2 part questions) on each poem. • Candidates will answer one of the two questions [25%]. • One question will be set on a Singapore text.