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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	

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

2024 End-of-Year Examinations Topics List

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English Language	<p>Paper 1 Sect A: Editing Sect B: Situational Writing Sect C: Continuous Writing (Personal Recount, Narrative, Descriptive)</p> <p>Paper 2 Full Paper</p> <p>Paper 3 Listening Comprehension</p>
Mathematics	<p>1. Sec 1 Textbook - All Chapters 2. Sec 2 Textbook - All Chapters 3. Sec 3 Textbook - All Chapters</p>
Basic Chinese Language	<p>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</p>
Basic Malay Language	<p>Kertas 1 Penulisan Fungsional Respons Bebas dalam Talian</p> <p>Kertas 2 Penggunaan Bahasa dan Pemahaman Bahagian A Melengkapkan Teks Soalan A1 & A2 (MCQ)</p> <p>Bahagian B • Teks Infografik (MCQ)</p> <p>Bahagian C • Teks Bacaan (MCQ)</p> <p>Kertas 3 Lisan • Bacaan Lantang • Interaksi Lisan • Kefahaman Mendengar</p>

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English Language	<p>Paper 1 Sect A: Editing Sect B: Situational Writing Sect C: Continuous Writing (Personal Recount, Narrative, Argumentative, Discursive, Descriptive, Reflective)</p> <p>Paper 2 Full Paper</p> <p>Paper 3 Listening Comprehension</p>
Mathematics	<p>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)</p> <p>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</p>
Basic Chinese Language	<p>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</p>
Basic Malay Language	<p>Kertas 1: Karangan</p> <p>Bahagian A Penulisan Fungsional • Respons terhadap sebuah blog • E-mel Rasmi</p> <p>Bahagian B Penulisan Esei • Naratif • Deskriptif • Ekspositori</p> <p>Kertas 2 Penggunaan Bahasa dan Pemahaman Bahagian A Penggunaan Bahasa • Teks Bacaan 1 & 2 (FIB dengan kata-kata bantuan)</p> <p>Bahagian B Soalan B1 Melengkapkan Dialog (MCQ)</p> <p>Soalan B2 Rangsangan Grafik</p> <p>Bahagian C Teks Bacaan 3 (OE)</p> <p>Kertas 3 • Lisan • Kefahaman Mendengar</p>

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English Language	<p>Paper 1 Sect A: Editing Sect B: Situational Writing Sect C: Continuous Writing (Personal Recount, Narrative, Argumentative, Discursive, Descriptive, Reflective)</p> <p>Paper 2 Full Paper</p> <p>Paper 3 Listening Comprehension</p>
Mathematics	<p>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</p> <p>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)</p>
Basic Chinese Language	<p>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</p>
Basic Malay Language	<p>Kertas 1 Penulisan Fungsional dan Esei</p> <p>Bahagian A Penulisan Fungsional • Respons terhadap sebuah blog/forum • E-mel Formal</p> <p>Bahagian B Penulisan Esei • Deskriptif • Ekspositori • Naratif</p> <p>Kertas 2 Penggunaan Bahasa dan Pemahaman</p> <p>Bahagian A Penggunaan Bahasa • Tatabahasa • Respons Bebas</p> <p>Bahagian B Soalan B1 Menginterpretasi teks</p> <p>Soalan B2 Rangsangan Grafik</p> <p>Bahagian C Teks Bacaan 3 (OE)</p> <p>Kertas 3 • Lisan • Kefahaman Mendengar</p>

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Basic Tamil Language	<p>BTL: Paper 1 நடைமுறை சார்ந்த எழுத்துப்படைப்பு Paper 2 (மொழி மரபும் பண்பாடும் மற்றும் கருத்தறிதல்) A1 மொழிப்பயன்பாடு (MCQ) A2 மொழிப்பயன்பாடு (MCQ) B3 மரபுத்தொடர்களும், இணைமொழிகளும்(MCQ) C4 கருத்து விளக்கப்படக் கருத்தறிதல்(MCQ) D5 வாசிப்புக் கருத்தறிதல்(MCQ)</p> <p>Paper 3 வாய்மொழி (Oral) கேட்டல் கருத்தறிதல் (LC)</p>
Science	<p>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)</p>
Elements of Business Skills	<p>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</p>
Mobile Robotics	<p>Paper 1 Theory (30%): Chapter 1 Mobile Robots Chapter 2 Basic Electricity Chapter 3 Basic Electronics Chapter 4 Digital Electronics Chapter 5 Design</p> <p>Paper 2 Practical (70%): Connect a Control Circuit</p>

NA	
	<p>TL Paper 1 கட்டுரை 'அ' பிரிவு மின்னஞ்சல் எழுத்துதல் (உறவுமுறை மின்னஞ்சல், அலுவல் சார்ந்த மின்னஞ்சல்) 'ஆ' பிரிவு கட்டுரை வகைகள்: நிகழ்வு, விளக்கம், கதை Paper 2 மொழிமரபும் பயன்பாடும் மற்றும் கருத்தறிதலும் '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</p>
	<p>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</p>
	<p>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</p> <p>Total: 35 m [1 hr 15 min]</p>
	<p>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)</p> <p>Section B - Climate Cluster- [10m] Topic 1: Weather and Climate (Pg 1 - Pg 12 of textbook of Climate)</p>
	<p>Section A (30 Marks) Source-Based Case Study: Answer all 5 questions</p> <p>1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Reaching Judgement</p> <p>Section B (20 Marks) Structured Essay Question Skills Answer two out three questions Explain</p> <p>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"</p>
	<p>Section A: Source Based Case Study (35m) 1. Inference 2. Purpose 3. Comparison 4. Reliability 5. Evaluation</p> <p>Section B: Structured Response Question (15m) 1. Opinion response 2. Description & Explanation of Factors</p> <p>Topics from Textbook: Chapter 1-6</p>

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

NA
<p>Section A: Source Based Case Study (35m)</p> <ol style="list-style-type: none"> Inference Purpose Comparison Reliability Evaluation <p>Section B: Structured Response Question (15m)</p> <ol style="list-style-type: none"> Opinion response Description & Explanation of Factors <p>Topics from Textbook: Chapter 1-6</p> <p>Prose and Unseen Poetry [50 marks] There will be two sections in this paper. <ul style="list-style-type: none"> 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. </p> <p>Section A: Prose [25 marks] - How We Live Now ed. by Yu-Mei Balasingamchow (Short Stories: 'Painting the Tiger', 'Close to Home', 'Fireworks') <ul style="list-style-type: none"> For this section, one passage-based question and two essay questions will be set. Candidates will answer one question [25%] </p> <p>Section B: Unseen Poetry [25 marks] <ul style="list-style-type: none"> 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. </p> <p>Design</p> <p>Mechanisms</p> <p>Electronics</p> <p>Refer to https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/7055_y23_sy.pdf</p> <ol style="list-style-type: none"> Nutrients: Carbohydrates, Proteins, Fats, Vitamins, Minerals, Water, Dietary Fibre (pg 1 - 60) Diet & Health Problems (pg 62 - 82) Meal Analysis (pg 109 - 134) Methods of Cooking (pg 189 - 206) Food Reactions (pg 207 - 246) <p>Paper 1 : 40 marks (1 hour) 3 to 4 questions Paper 2: 60 marks (2 hours) 4 questions</p> <p>Topics covered: Chapter 1 to 9</p>
<p>Textbook</p> <p>Chapter 1 Quadratic Function (Simultaneous Equations)</p> <p>Chapter 2 Quadratic Equations and Inequalities</p> <p>Chapter 3 Surds</p> <p>Chapter 4 Polynomials, Cubic equations and Partial Fractions</p> <p>Chapter 7 Coordinate Geometry (including Equation of Circle)</p> <p>Chapter 9 Trigonometric Functions and Graphs</p>

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<ol style="list-style-type: none"> Experimental Chemistry Kinetic Particle Theory Atomic Structure Chemical Bonding Structure and Properties of Materials Chemical Formulae and Equations The Mole Concept and Stoichiometry Acids and Bases Qualitative Analysis
<p>Topics tested</p> <ol style="list-style-type: none"> Non-linear Simultaneous Equation Polynomials and Partial Fractions Exponential and Logarithmic functions Surds Quadratic Equations and Inequalities Coordinate Geometry and Equation of Circles Trigonometric Functions and Their Graphs
<p>Paper 1 : 40 marks (1 hour) 3 to 4 questions Paper 2: 60 marks (2 hours) 4 questions</p> <p>Topics covered: Chapter 1 to 9</p>
<p>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?</p>
<p>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</p> <p>Kertas 1: Karangan Bahagian A Penulisan Fungsional <ul style="list-style-type: none"> Respon terhadap sebuah forum E-mel Tidak Rasmi </p> <p>Bahagian B Penulisan Esei <ul style="list-style-type: none"> Naratif Deskriptif Ekspositori </p> <p>Kertas 2 Penggunaan Bahasa dan Pemahaman Bahagian A Penggunaan Bahasa <ul style="list-style-type: none"> Teks Bacaan 1 (FIB) Teks Bacaan 2 (Penyuntingan) </p> <p>Bahagian B Pemahaman Teks 1 (MCQ & OE)</p> <p>Bahagian C Pemahaman Teks 2 (OE) Pemahaman Teks 3 (OE)</p> <p>Bahagian D Ringkasan</p> <p>Kertas 3 Lisan</p>
<p>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。) Total: 32 m [1 hr 15 min]</p>
<p>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)</p> <p>Section B - Climate Cluster- [18m] Topic 1: Weather and Climate (Pg 1 - Pg 27 of textbook of Climate)</p>

<p>Section A: Source Based Case Study (35m)</p> <ol style="list-style-type: none"> Inference Purpose Comparison Reliability Evaluation <p>Section B: Structured Response Question (15m)</p> <ol style="list-style-type: none"> Opinion response Description & Explanation of Factors <p>Topics from Textbook: Chapter 1-6</p>
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<p><u>Not offer</u></p> <p>Section A (30 Marks) Source-Based Case Study: Answer all 5 questions</p> <ol style="list-style-type: none"> Inference Purpose Comparison Reliability Reaching Judgement <p>Section B (20 Marks) Structured Essay Question Skills Answer two out three questions Explain and evaluate</p> <p>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</p> <p>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.</p> <p>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%]</p> <p>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.</p>

Computer Applications	<p>Theory Paper 1 (30%) Practical Paper 2 (35%) - Inkscape, Word, Powerpoint Practical Paper 3 (35%) - Openshot, Excel, Scratch</p> <p>Topics</p> <ol style="list-style-type: none"> Computer Fundamentals (CPF) Media Elements (MEL) Document Processing (DOP) Animation and Game Making (AGM) Spreadsheet (SST) Interactive Multimedia Communications ((IMC)
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<ol style="list-style-type: none"> Cell Structure and Organisation Movement of Substances Biological Molecules Enzymes Animal Nutrition Transport in Humans Respiration in Humans
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<ol style="list-style-type: none"> Cell Structure and Organisation Movement of Substances Biological Molecules Enzymes Animal Nutrition Transport in Humans Respiration Excretion Homeostasis and Hormonal Control Nervous system and the Eye Infectious Disease in Humans
