

Sec 3 End-of-Year Examination 2023

S3 Normal Technical (NT)

Subject	Format and Scope
English Language	<p>Subject Code: 1195</p> <p><u>Paper 1: Writing</u> Duration: 1 hour 20 minutes Total marks: 70 marks (30%)</p> <p><u>Section A: Editing [10 marks]</u> Candidates edit grammatical errors in a given text.</p> <p><u>Section B: Situational Writing [30 marks]</u> Candidates write a text of at least 180 words. A stimulus text, which may include visuals, will be provided.</p> <p><u>Section C: Continuous Writing [30 marks]</u> Candidates write a text of at least 120 words on one of two topics set.</p> <p><u>Paper 2: Language Use and Comprehension</u> Duration: 1 hour 20 minutes Total marks: 60 marks (40%)</p> <p><u>Section A: Language Use</u> 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.</p> <p><u>Section B: Reading Comprehension</u> 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.</p> <p><u>Paper 3: Listening</u> Duration: 45 minutes Total marks: 20 marks (10%)</p> <p>Candidates complete a variety of listening tasks.</p> <p><u>Paper 4: Oral Communication</u> Duration: 20 minutes per candidate (including 10 minutes of preparation time) Total marks: 40 marks (20%)</p> <p><u>Part 1: Reading Aloud [15 marks]</u> Candidates read aloud a short text, presented on a computer screen.</p> <p><u>Part 2: Spoken Interaction [25 marks]</u></p>

	Candidates engage in a discussion with the Examiners on a topic based on a visual stimulus, in the form of a video clip.
Basic Chinese Language	<p>Subject Code: 1202</p> <p>Paper 1: Language Use and Comprehension (70 min) [35 marks]</p> <p>Written response to online post</p> <p>Cloze Passage</p> <p>Comprehension 1</p> <p>Comprehension 2</p> <p>Paper 2</p> <p>Oral (15 min) [45 marks]</p> <p>Paper 3</p> <p>Listening Comprehension (30 min) [20 marks]</p>
Basic Malay Language	<p>Subject Code: 1203</p> <p>Paper 1: Language Use and Comprehension (70 min) [35 marks]</p> <p>Cloze Passage</p> <p>Comprehension</p> <p>Short-response Comprehension</p> <p>SMS writing</p> <p>Paper 2</p> <p>Oral (15 min) [45 marks]</p> <p>Paper 3</p> <p>Listening Comprehension (30 min) [20 marks]</p>
Mathematics	<p>Subject Code: 4046</p> <p>Duration: 2 hours</p> <p>Total marks: 80</p> <p>Answer all the questions.</p> <p>Section A: 40 marks, 10-13 questions</p> <p>Section B: 40 marks, 5-7 questions</p> <p>Topics: Textbooks 3A (Chapter 1 to 5) & 3B (Chapter 6 to 9)</p> <p>Use of calculator expected. Clear working steps expected.</p>

<p>Science</p>	<p>Subject Code: 5148 Duration: 1h 30min Total marks: 80 Mode: Section A (30 marks) will be e-assessment and Section B (50 marks) will be pen and paper. Both will be in the same sitting of 1h 30min.</p> <p><u>Section A</u> 20 Marks Multiple choice Questions 5 Marks Selected Responses 5 Marks short-answer with video, animation or interactive stimuli</p> <p><u>Section B (50 marks)</u> Structured Questions</p> <p><u>Topics</u> Topic 1 Energy Topic 2 Electricity Topic 3 Wave Topic 4 Effects of forces Topic 6 Food Chemistry Topic 7 Food Safety Topic 8 Staying Healthy (Until 8.3)</p>
<p>CPA</p>	<p>Subject Code: 7018 <u>Paper 1 (Written) 50%</u> Duration: 1 hour MCQ, Structured questions, Short-answer Questions</p> <p><u>Paper 2 (Practical) 50%</u> Duration: 1hr 30min Software tested:</p> <ul style="list-style-type: none"> ● Task 1-MS Word ● Task 2-MS Excel ● Task 3-Scratch

EBS	<p><u>Paper 1 (Written) - 100%</u> <u>Total Marks = 100</u> Duration : 1 h 30 min</p> <p>4 Questions (Marks range per question: 23-27 marks)</p> <p>Matching, Fill in the blanks, True/False. Short answer questions, including those requiring students to describe and explain their answers.</p> <p>Topics: Ch1: Introduction to Business Ch2: Travel and Tourism, Hospitality & Retail Industries Ch3: Introduction to Marketing Ch4: The Marketing Mix Ch5: Communication with Customers Ch6: Customer Service</p>
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S3 Normal Academic (NA)

Subject	Format and Scope
English Language	<p>Subject Code: 1190</p> <p>Paper 1 Writing Duration: 1 hour 50 minutes Total marks: 70 (35%) This paper is divided into three sections.</p> <p><u>Section A: Editing [10 marks]</u> Candidates identify and then edit grammatical errors by writing the corrections in the spaces provided. Errors in punctuation and spelling will not be tested in this section.</p> <p><u>Section B: Situational Writing [30 marks]</u> Candidates write a text of 180–250 words based on a given situation which will involve viewing a visual text. Candidates are required to write the text (e.g. an email, a letter, a report or a speech) to suit the purpose, audience and context.</p> <p><u>Section C: Continuous Writing [30 marks]</u> Candidates choose one out of four topics to write a text of 250–400 words in continuous prose. The topics set may cover different types of texts, e.g. narrative or exposition.</p> <p>Paper 2 Comprehension Duration: 1 hour 50 minutes Total marks: 50 (35%)</p> <p><u>Section A [5 marks]</u> Candidates respond to questions based on Texts 1 and 2, one of which is a visual text.</p> <p><u>Section B [20 marks]</u> Candidates respond to a variety of questions based on Text 3 which is a narrative or a recount.</p> <p><u>Section C [25 marks]</u> Candidates respond to a variety of questions based on Text 4, a non-narrative text, and write an 80-word response to a summary writing task.</p> <p>Paper 3 Listening [30 marks] Duration: 45 minutes Total marks: 30 (10%)</p> <p><u>Section A [22 marks]</u> Section A Candidates respond to a variety of listening tasks based on a number of audio recordings which the candidates will hear twice.</p> <p><u>Section B [8 marks]</u> Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.</p>

	<p>Paper 4 Oral Communication Duration: 20 minutes per candidate (including 10 minutes of preparation time) Total marks: 30 (20%) The two parts in this paper may be thematically linked.</p> <p><u>Part 1: Planned Response [15 marks]</u> Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen.</p> <p><u>Part 2: Spoken Interaction [15 marks]</u> Candidates engage in a discussion with the Examiners on a topic based on a visual stimulus, in the form of a video clip.</p>
Chinese Language	<p>Subject Code: 1196</p> <p>Paper 1: Writing (2 hours) [60 marks] 1 Functional Writing [20 marks] 1 Essay [40 marks]</p> <p>Paper 2: Language Use and Comprehension (1h 30min) [60 marks] Fill in the blanks Cloze Passage Comprehension (MCQ) Comprehension (Open-ended)</p> <p>Paper 3 (for EOY) Oral (15 min) [60 marks] Listening Comprehension (30 min) [20 marks]</p>
Malay Language	<p>Subject Code: 1197</p> <p>Paper 1: Writing (2 hours) [60 marks] 1 Functional Writing [20 marks] 1 Essay [40 marks]</p> <p>Paper 2: Language Use and Comprehension (1h 30min) [60 marks] Affixes (10m) Idioms (5m) FIB (5m) Comprehension MCQ (10m) Comprehension (Open-ended) (30m)</p> <p>Paper 3 (for EOY) Oral (15 min) [60 marks] Listening Comprehension (30 min) [20 marks]</p>

<p>Mathematics</p>	<p>Subject Code: 4045 Duration: 2h 30min Marks: 100</p> <p>Answer all the questions. Section A: 50 marks, 10-14 questions Section B: 50 marks, 6-8 questions</p> <p>Topics: Textbooks 3A & 3B (ALL chapters except chapter 9: Further Trigonometry).</p> <p>Use of calculator expected. Clear working steps expected.</p>
<p>Additional Mathematics</p>	<p>Subject Code: 4051 Marks: 70 Duration: 1h 45min</p> <p>Answer all the questions. 10 to 13 questions</p> <p>Topics: AMaths Textbook Chapter 1, 2, 3, 4, 7, 8, 10</p> <p>Use of calculator expected. Clear working steps expected.</p>
<p>NA Science (Phy/Chem)</p>	<p>Subject Code: 5105 Physics Component Duration: 1h 15min Section A: 20 MCQ [20 marks] Section B: Structured Questions [22 marks] Section C: Structured Question [8 marks] with 2 choose 1 option</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. Physical Quantities, Units and Measurements 2. Kinematics 3. Force and Pressure 4. Dynamics 5. Energy 6. Kinetic Particle Model of Matter 7. Thermal Processes <p>Chemistry Component Duration: 1h 15min Section A: 20 MCQ [20 marks] Section B: Structured Questions [22 marks] Section C: Structured Question [8 marks] with 2 choose 1 option</p>

	<p>Topics:</p> <ol style="list-style-type: none"> 1. Experimental Chemistry 2. Kinetic Particles 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
NA Science (Chem/Bio)	<p>Subject Code: 5107</p> <p>Biology Component Duration: 1h 15min Section A: 20 MCQ [20 marks] Section B: Structured Questions [22 marks] Section C: Structured Question [8 marks] with 2 choose 1 option</p> <p>Topics:</p> <ul style="list-style-type: none"> - Cell Structure and Organisation - Movement of Substances - Biological Molecules (includes enzymes) - Nutrition in Humans - Transport in Humans - Respiration in Humans <p>Chemistry Component Duration: 1h 15min Section A: 20 MCQ [20 marks] Section B: Structured Questions [22 marks] Section C: Structured Question [8 marks] with 2 choose 1 option</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. Experimental Chemistry 2. Kinetic Particles 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

<p>Geography Elective</p>	<p>Subject Code: 2125/02 Duration: 1h 45min Marks: 50 marks</p> <p>Section A: Structured Questions - Geography in Everyday Life (25 marks) Section B: Structured Questions – Tectonics and Geography in Everyday Life (25 marks)</p> <p>Topics: <u>Book: Geography in Everyday Life</u> Topic 1: Thinking Geographically Topic 2: Sustainable Development</p> <p><u>Book: Tectonics</u> Topic 1.1: Plate Tectonic Theory Topic 1.2: Seafloor Spreading Topic 1.3: Magnetic striping</p>
<p>History Elective</p>	<p>Subject Code: 2126/02 Duration: 1h 50min Marks: 50 marks</p> <p>Section A: Source-Based Case Study (30 marks) Section B: Structured-Essay Question (20 marks)</p> <p>Topics: Section A (Chapter 2) Section B (Chapters 1 and 4)</p>
<p>Social Studies</p>	<p>Subject Codes: 2125/01; 2126/02 Duration: 1h 45min Marks: 50 marks</p> <p>Section A: Source-Based Case Study (35 marks) Section B: Structured Essay Question (15 marks)</p> <p>Topics: Section A (Issue 2: Chapters 5 to 6) Section B (Issue 1: Chapters 1 to 4)</p>

POA	<p>Subject Code: 7086 Duration: 2 hours Marks: 100</p> <p>Answer all the questions. 6 to 8 questions</p> <p>Topics: Textbook Chap 1 - 8 Use of calculator expected.</p>
D&T	<p>Subject Codes: 7055/01 Duration: 1h 30min Marks: 60</p> <p>1 case-based Design question (24 marks) 2 design application questions relating to Mechanism and Electronics (36 marks)</p>
NFS	<p>Subject Codes: 6073/01 Duration: 1h 30min Marks: 80</p> <p>Section A: MCQ (16 marks) Section B: Short answer type question and data response (40 marks) Section C: Open-ended questions (2 x 12marks)</p> <p>Topics: Chapter 5: Minerals Chapter 6: Water and Dietary Fibre Chapter 7: Diet and Health Problems Chapter 8: Diet and Meal Planning Chapter 9: Meal Analysis Chapter 12: Methods of Cooking Chapter 13: Reactions in Food during Preparation and Cooking</p>

<p>Art</p>	<p>Subject Code: 6125/02 (100 marks) Duration: 3 hours</p> <p>Paper to be given three weeks before the commencement of their Art examination. Three themes will be issued and candidates are to make response to one of the themes on paper of size A3. Preparatory studies of three to five A3 sheets of paper must be submitted.</p> <p>Marking Criteria</p> <ol style="list-style-type: none"> 1. Investigation and Interpretation of Theme 2. Exploration and Development of Theme 3. Aesthetic Qualities 4. Control of Materials and Technical Processes 5. Personal Response
<p>Express Science (Phy/Chem)</p>	<p>Subject Code: 5086 Physics Component Duration: 1h 15min Marks: 65</p> <p>Section A: Multiple-Choice [15 marks] Section B: Structured & Free Response Questions [40 marks] Section C: Structured & Free Response Questions [10 marks]: With 2 choose 1 option</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. Physical Quantities, Units and Measurements 2. Kinematics 3. Force and Pressure 4. Dynamics 5. Turning Effects of Forces 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes <p>Chemistry Component Duration: 1h 15min Marks: 65</p> <p>Section A: Multiple-Choice [15 marks] Section B: Structured & Free Response Questions [40 marks] Section C: Structured & Free Response Questions [10 marks]: With 2 choose 1 option</p> <p>Topics</p> <ol style="list-style-type: none"> 1. Experimental Chemistry

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| | <ol style="list-style-type: none">2. Kinetic Particles Theory3. Atomic Structure4. Chemical Bonding5. Structure and Properties of Materials6. Chemical Formulae and Equations7. Mole Concept and Stoichiometry |
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S3 Express

Subject	Format and Scope
English Language	<p>Subject Code: 1184</p> <p><u>Paper 1: Writing</u> Duration: 1 hour 50 minutes Marks: 70 (35%) <u>Section A: Editing [10 marks]</u> Candidates identify and edit grammatical errors in a short written text <u>Section B: Situational Writing [30 marks]</u> Candidates write 250–350 words on a given situation which will involve viewing a visual text. <u>Section C: Continuous Writing [30 marks]</u> Candidates write 350–500 words on one of four topics set.</p> <p><u>Paper 2: Comprehension</u> Duration: 1 hour 50 minutes Marks: 50 (35%) <u>Section A [5 marks]</u> Candidates respond to questions based on Texts 1 and 2, one of which is a visual text. <u>Section B [20 marks]</u> Candidates respond to a variety of questions based on Text 3 which is a narrative or a recount. <u>Section C [25 marks]</u> Candidates respond to a variety of questions based on Text 4, a non-narrative text, and write an 80-word response to a summary writing task.</p> <p><u>Paper 3: Listening</u> Duration: 45 minutes Marks: 30 (10%) <u>Section A [22 marks]</u> Candidates respond to a variety of listening tasks based on a number of audio recordings which the candidates will hear twice. <u>Section B [8 marks]</u> Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once.</p> <p><u>Paper 4: Oral Communication</u> Duration: 20 minutes (including 10 minutes of preparation time) Marks: 30 (20%) The two parts in this paper may be thematically linked. <u>Part 1: Planned Response 15 marks]</u> Candidates plan and deliver a response to a video clip and accompanying prompt presented on a computer screen.</p>

	<p>Part 2: Spoken Interaction [15 marks] Candidates engage in a discussion with the Examiners on a topic based on the same video clip.</p>
Chinese Language	<p>Subject Code:1160 Paper 1: Writing (2 hours) [60 marks] 1 Functional Writing [20 marks] 1 Essay [40 marks]</p> <p>Paper 2: Language Use and Comprehension (1 hr 30 min) [70 marks] Cloze Passage Vocabulary Editing Comprehension (MCQ) Comprehension (Open-ended)</p> <p>Paper 3 (for EOY) Oral (15 min) [50 marks] Listening Comprehension (30 min) [20 marks]</p>
Higher Chinese Language	<p>Subject Code: 1116 Paper 1: Writing (2 hours) [80 marks] 1 Functional Writing [20 marks] 1 Essay [60 marks]</p> <p>Paper 2: Language Use and Comprehension (1h 45min) [80 marks] Cloze Passage Text Editing Comprehension (MCQ and Open-ended) Comprehension (Open-ended) Summary</p> <p>Paper 3 (for EOY) Oral (15 min) [40 marks]</p>
Malay Language	<p>Subject Code: 1148 Paper 1: Writing (2 hours) [60 marks] 1 Functional Writing [20 marks] 1 Essay [40 marks]</p> <p>Paper 2: Language Use and Comprehension (1h 30 min) [70 marks] Affixes (10m) Idioms (10m) FIB (10m) Comprehension MCQ (10m) Comprehension OE (30m)</p>

	<p>Paper 3 (for EOY) Oral (15 min) [50 marks] Listening Comprehension (30 min) [20 marks]</p>
Mathematics	<p>Subject Code: 4052 Duration: 2h 30min Marks: 100 Answer all the questions.</p> <p>Section A: 50 marks, 10-13 questions Section B: 50 marks, 6-8 questions</p> <p>Topics: Chapter 1 to 9.2</p> <p>Use of calculator expected. Clear working steps expected.</p>
Additional Mathematics	<p>Subject Code: 4049 Duration: 2h 15min Marks: 90 12 - 15 questions</p> <p>Topics: Chapter 1 - 10</p> <p>Use of calculator expected. Clear working steps expected.</p>
Biology	<p>Subject Code: 6093 Duration: 2 hours Marks: 100</p> <p>Section A: 30 MCQ Section B: Structured & Free Response Questions (60m) Section C: Structured & Free Response Questions with Either or As last question (10m)</p> <p>Topics:</p> <ul style="list-style-type: none"> - Cell Structure and Organisation - Movement of Substances - Biological Molecules (includes enzymes) - Nutrition in Humans - Transport in Humans - Respiration in Humans - Excretion in Humans - Homeostasis and Hormonal Control

Chemistry	<p>Subject Code: 6092 Duration: 2 hours Marks: 100</p> <p>Section A: 30 MCQ Section B: Structured & Free Response Questions (60m) Section C: Structured & Free Response Questions with Either or As last question (10m)</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. Experimental Chemistry 2. Kinetic Particles 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. Qualitative Analysis
Physics	<p>Subject Code: 6091 Duration: 2 hours Marks: 100</p> <p>Section A: 30 MCQ Section B: Structured & Free Response Questions (60m) Section C: Structured & Free Response Questions with Either or As last question (10m)</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. Physical Quantities, Units and Measurements 2. Kinematics 3. Dynamics (Forces, Mass, Weight, Density) 4. Turning Effects of Forces 5. Pressure 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes 9. Thermal Properties of Matter 10. General Wave Properties (including sound) 11. Electromagnetic Spectrum

Express Science
(Phy/Chem)

Subject Code: 5086

Physics Component

Duration: 1h 15min

Marks: 65

Section A: Multiple-Choice [15 marks]

Section B: Structured & Free Response Questions [40 marks]

Section C: Structured & Free Response Questions [10 marks]: With 2 choose 1 option

Topics:

1. Physical Quantities, Units and Measurements
2. Kinematics
3. Force and Pressure
4. Dynamics
5. Turning Effects of Forces
6. Energy
7. Kinetic Particle Model of Matter
8. Thermal Processes

Chemistry Component

Duration: 1h 15min

Marks: 65

Section A: Multiple-Choice [15 marks]

Section B: Structured & Free Response Questions [40 marks]

Section C: Structured & Free Response Questions [10 marks]: With 2 choose 1 option

Topics

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

<p>Geography Elective</p>	<p>Subject Code: 2260/02 Duration: 1h 45min Marks: 50 marks</p> <p>Section A: Structured Questions - Geography in Everyday Life (25 marks) Section B: Structured Questions - Tectonics (25 marks)</p> <p>Topics: <u>Book: Geography in Everyday Life</u> Topic 1: Thinking Geographically Topic 2: Sustainable Development Topic 3: Geographical Methods</p> <p><u>Book: Tectonics</u> Topic 1: Plate Tectonics Topic 2.1: Tectonic processes affecting the magnitude of earthquakes Topic 2.2: Tectonic processes affecting the magnitude of volcanic eruptions</p>
<p>History Elective</p>	<p>Subject code: 2261/02 Duration: 1h 50min Marks: 50 marks</p> <p>Section A: Source-Based Case Study (30 marks) Section B: Structured-Essay Question (20 marks)</p> <p>Topics: Section A (Chapter 4) Section B (Chapters 1, 2 and 3)</p>
<p>Literature in English (Core Literature)</p>	<p>Subject Code: 2065</p> <p>Duration: 1h 40min Section A: Prose [25 marks] [50%] Candidates will respond to 1 out of 3 Questions on <i>A Hundred Flowers</i> by Gail Tsukiyama</p> <ol style="list-style-type: none"> 1. Broad Essay Question 2. Broad Essay Question 3. Passage-based Question (2 sub-questions) <p>Section B: Unseen Poetry [25 marks] [50%] Candidates will respond to 1 out of 2 Questions. The 2 Questions consist the following:</p> <ol style="list-style-type: none"> 1. International Poetry - One Question (consisting 2 sub-questions) 2. Local Poetry - One Question (consisting 2 sub-questions)

Social Studies	<p>Subject Codes: 2260/01 and 2261/01 Duration: 1h 45min Marks: 50 marks</p> <p>Section A: Source-Based Case Study (35 marks) Section B: Structured Essay Question (15 marks)</p> <p>Topics: Section A (Issue 2: Chapters 5 and 6) Section B (Issue 1: Chapters 1 to 4)</p>
Computing	<p>Subject Code: 7155 Written Duration: 1h 30min Types of questions: structured questions, short answer questions, matching questions.</p> <p>Topics:</p> <ul style="list-style-type: none"> ● Validation check ● Errors (logic, syntax, run-time) ● Algorithm (dry run, trace table, pseudocode) ● 5-stages in program development ● Logic Gate ● Number system conversion (denary, binary, hexadecimal) ● Python error identification
POA	<p>Subject Code: 7087 Duration: 2 hours Marks: 100</p> <p>Answer all the questions. 6 to 9 questions</p> <p>Topics: Textbook Chapters 1 - 10</p> <p>Use of calculator expected.</p>