

**BUKIT PANJANG GOVT HIGH SCHOOL**  
**End-of-Year Examination 2023**  
**Exam Format & Topics covered**  
**Secondary 3**

Subject	Code	Duration	Exam Format	Topics Covered	
Higher Chinese	1116/01	2h	实用文：私人电邮和公务电邮、作文		
	1116/02	1h 45m	语文应用（短文填充、病句改正）、阅读理解一、阅读理解二、片段缩写		
Chinese	1160/01	2h	实用文（私人电邮、公务电邮）、作文		
	1160/02	1h 30m	综合填空、词语替换、阅读理解一、阅读理解二		
	1160/03	1h	听力		
Chinese Syllabus A	1196/01	2h	实用文（私人电邮、公务电邮）、作文		
	1196/02	1h 30m	综合填空；阅读理解一、阅读理解二		
	1196/03	1h	听力		
Chinese Syllabus B	1153/01	50m	写作：考生以拼音输入法在电脑上写作 (venue: comp lab, computer access)		
	1153/02	1h	语文理解与应用：语文应用、阅读理解一、阅读理解二		
	1153/03	1h	听力		
Basic Chinese	1202/01	1h 10m	试卷一：A 网络贴文 B 语文运用、阅读理解一、阅读理解二		
	1202/03	1h	听力		
Higher Malay	1117/01	2h	Bhg A : E-mel (konteks rasmi), Forum (konteks tidak rasmi) Bhg B : Naratif (Penceritaan Semula, Cerita), Ekspositori		
	1117/02	1h 45m	Melengkapkan Teks, Mengedit Teks, Kefahaman Objektif, Kefahaman Subjektif, Peringkasan		
Malay	1148/01	2h	Bhg A : Forum (konteks tidak rasmi), E-mel (konteks rasmi), Bhg B : Naratif (Penceritaan Semula, Cerita), Ekspositori		
	1148/02	1h 30m	Melengkapkan Teks, Mengedit Teks, Kefahaman Objektif, Kefahaman Subjektif		
	1148/03	1h	Kefahaman Mendengar (MCQ)		
Malay Syllabus A	1197/01	2h	Bhg A : Forum (konteks tidak rasmi), E-mel (konteks rasmi) Bhg B : Naratif (Penceritaan Semula, Cerita), Ekspositori		
	1197/02	1h 30m	Melengkapkan Teks, Kefahaman Objektif, Kefahaman Subjektif		
	1197/03	1h	Kefahaman Mendengar (MCQ)		
Basic Malay	1203/01	1h 10m	Bhg 1 : Penulisan Fungsional Bhg 2 : Melengkapkan Teks, Kefahaman Objektif		
	1203/03	1h	Kefahaman Mendengar (MCQ)		
English Language	1184/01	1h 50m	Editing, Situational Writing & Continuous Writing		
	1184/02	1h 50m	Comprehension (includes Summary Question)		
	1184/03	1h	Listening Comprehension		
English Language Syllabus A	1190/01	1h 50m	Editing, Situational Writing & Continuous Writing		
	1190/02	1h 50m	Comprehension (includes Summary Question)		
	1190/03	1h	Listening Comprehension		
English Language Syllabus T	1195/01	1h 20m	Editing, Situational Writing, Continuous Writing		
	1195/02	1h 20m	Language Use & Comprehension		
	1195/03	1h	Listening Comprehension		
Literature in English	2065/01	1h 40m	Section A: 'The Chrysalids' Section B: Unseen Poetry		'The Chrysalids' + Unseen Poetry
History	2174/01	1h 30m	Section A: Source-Based Case Study(SBCS) skills tested Inference (what? message? attitude? why?); Compare & Contrast (including agree vs disagree); reliability  Section B: Structured Essay Questions (SEQ) (3 questions, choose 2) Each question consists of: - Explain (including weighing / analysis of factors)		Paper 1: Topics tested for both SBCS* and Structured-Essay Questions Paper 1: <u>Southeast Asia History</u> British colonial rule in Malaya* French colonial rule in Vietnam <u>Modern World History</u> Paris Peace Conference & League of Nations Nazi Germany* Militarism Japan Outbreak of War in Europe* (SBCS topics* may also be tested for SEQ if they are not set for SBCS)
Geography	2279/01	2 h	Question 1: Geography in Everyday Life Question 2: Tourism Question 3: Climate		Geography in Everyday Life Tourism Climate
Humanities (Social Studies)	2260/01 2261/01 2262/01 2263/01 2264/01	1h 30m	Section A Source-based Case Study (SBCS) Inference, Compare & Contrast and Reliability skills Section B Structured-response Question (SRQ) 2 Questions		Issue 1 (chapters 1-4) and Issue 2 (chapters 5-6)
Humanities (Social Studies)	2125/01 2126/01 2127/01	1h 30m	Section A : Source-based Case Study (SBCS) Inference, Compare & Contrast and Reliability skills Section B : Structured-response Question (SRQ) 2 Questions		Issue 1 (chapters 1-3), Issue 2 (chapters 5-6)
Humanities (Social Studies, Geography)	2260/02	1h 45m	Question 1: Geography in Everyday Life Question 2: Climate		Geography in Everyday Life Climate
Humanities (Social Studies, Geography)	2125/02	1h 45m	Question 1: Geography in Everyday Life Question 2: Climate		Geography in Everyday Life Climate
Humanities (Social Studies, History)	2261/02	1h 30m	Section A: Source-Based Case Study(SBCS) skills tested Inference (what? message? attitude? why?); Compare & Contrast (including Agree vs disagree); Reliability  Section B: Structured Essay Questions (3 questions, choose 2) Each question requires: - Explain (including weighing / analysis of factors)		Topics tested for both SBCS* and Structured-Essay Questions Paper 1: <u>Modern World History</u> Paris Peace Conference & League of Nations Nazi Germany* Militarism Japan Outbreak of War in Europe* (SBCS topics* may also be tested for SEQ if they are not set for SBCS)
Humanities (Social Studies, History)	2126/02	1h 30m	Section A: Source-Based Case Study(SBCS) skills tested Inference (what? message? attitude? why?); Compare & Contrast (including Agree vs disagree); Reliability  Section B: Structured Essay Questions (3 questions, choose 2) Each question requires: Explanation		Topics tested for both SBCS* and Structured-Essay Questions Paper 1: <u>Modern World History</u> Paris Peace Conference & League of Nations Nazi Germany* Outbreak of War in Europe* (SBCS topics* may also be tested for SEQ if they are not set for SBCS)

Subject	Code	Duration	Exam Format	Topics Covered
Humanities (Social Studies, Literature in English)	2262/02	1h 40m	Section A: 'The Chrysalids' Section B: Unseen Poetry	'The Chrysalids' + Unseen Poetry
Humanities (Social Studies, Literature in English)	2127/02	1h 40m	Section A: 'A Hundred Flowers' Section B: Unseen Poetry	'A Hundred Flowers' + Unseen Poetry
Humanities (Social Studies, Literature in Chinese)	2263/02	1h 40m	A组: 课内文学赏析 (小说、诗歌二选一) B组: 课外文学赏析 (小说、诗歌二选一)	A组: 指定文本选读 (现当代小说、诗歌) B组: 文学作品赏析 (课外小说、新诗文本)
Humanities (Social Studies, Literature in Malay)	2264/02	1h 40m	Section A: "Pahlawan Panggung" - Answer one of two questions Section B: Unseen - Answer one of two questions	1. Prosa Moden: Kudrat, Nyanyuk, Tika Aksara Menari 2. Sajak: Kepada Pohon Tak Bernama, Ke Makam Bonda, Anakku 3. Teks Bebas: Prosa Moden & Sajak
Mathematics	4052/01	1h 30m	There will be short answer questions. Candidates are required to answer all questions.	Sec 1 Chapters Sec 2 Chapters Sec 3 Chapters 1 to 10
	4052/02	1h 30m	There will be questions of varying marks and lengths. There is one question in this paper that will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions.	
Mathematics Syllabus A	4045/01	1h 30m	There will be short answer questions. Candidates are required to answer all questions.	Sec 1 Chapters Sec 2 Chapters Sec 3 Chapters 1-7
	4045/02	1h 30m	There will be questions of varying marks and lengths. There is one question in this paper that will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions.	
Mathematics Syllabus T	4046/01	1h 30m	There will be short answer questions. Candidates are required to answer all questions.	Sec 1 Chapters Sec 2 Chapters Sec 3 Chapters 1-9
	4046/02	1h 30m	There will be questions of varying marks and lengths. There is one question in this paper that will focus specifically on applying mathematics to a real-world scenario. Candidates are required to answer all questions.	
Additional Mathematics	4049	2h 15m	There will be questions of varying marks and lengths. Candidates are required to answer ALL questions.	Textbook Chapters 1 to 8
Additional Mathematics Syllabus A	4051	1h 45m	There will be questions of varying marks and lengths.	Textbook Chapters 1, 2, 3, 4, 7 and 9
Science 'O' (Physics, Chemistry) & Science 'O' (Chemistry, Biology)	5086/01	1h	Multiple Choice : 40 compulsory multiple choice items of the direct choice type (20 Physics, 20 Chemistry)	<u>Physics</u> 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 11. Light
	5088/01	1h	Multiple Choice : 40 compulsory multiple choice items of the direct choice type (20 Chemistry, 20 Biology)	
	5086/02	1h 15m	Physics Structured and Free Response : Section A: a variable number of compulsory structured questions of variable mark value. Section B : consist of 1 question.	<u>Chemistry</u> 1. Experimental Chemistry (Experimental Design, Methods of Purification and Analysis) 2. The Particulate Nature of Matter (Kinetic Particle Theory, Atomic Structure) 3. Chemical Bonding and Structure (Ionic Bonding, Covalent Bonding, Structure and Properties of Materials) 4. Chemical Calculations (Formulae and Equation Writing, The Mole Concept and Stoichiometry) 5. Acid-Base Chemistry 6. Qualitative Analysis 7. Redox Chemistry 8. Patterns in the Periodic Table (Periodic Trends, Group Properties and Reactivity Series)
	5086/03 5088/03	1h 15m	Chemistry Structured and Free Response : Section A: a variable number of compulsory structured questions of variable mark value. Section B : Answer 1 question.	
	5088/04	1h 15m	Biology Structured and Free Response : Section A: a variable number of compulsory structured questions of variable mark value. Section B : 1 question.	<u>Biology</u> 1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Transport in Humans 6. Respiration in Humans 10. Molecular Genetics
	5086/05	1h 30m	Practical : (Q1 = Physics , Q2 = Chemistry)	
	5088/05	1h 30m	Practical : (Q1 = Chemistry , Q2 = Biology)	

Subject	Code	Duration	Exam Format	Topics Covered
Physics	6091/01	45m	Multiple Choice : 30 compulsory multiple choice items of the direct choice type	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Dynamics 4. Turning Effect of Forces 5. Pressure 6. Energy 7. Kinetic Particle Model of Matter 8. Thermal Processes 9. Thermal Properties of Matter 10. General Wave Properties 12. Light
	6091/02	1h 30m	Structured and Free Response - Section A : a variable number of compulsory structured questions. The last 2 questions will carry 20 marks, one of which is a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. Section B : Consist of one question.	
	6091/03	55 m	Practical	<ul style="list-style-type: none"> <li>Manipulation, measurement and observation (MMO)</li> <li>Presentation of data and observations (PDO)</li> <li>Analysis, conclusions and evaluation (ACE)</li> </ul>
Chemistry	6092/01	45m	Multiple Choice : 30 compulsory multiple choice items of the direct choice type	1. Experimental Chemistry (Experimental Design, Methods of Purification and Analysis) 2. The Particulate Nature of Matter (Kinetic Particle Theory, Atomic Structure) 3. Chemical bonding and Structure (Ionic bonding, Covalent bonding, Metallic Bonding, Structure and Properties of Materials) 4. Chemical Calculations (Formulae and Equation Writing, The Mole Concept and Stoichiometry) 5. Acid-Base Chemistry (Acids and bases, Salts) 6. Qualitative Analysis 7. Redox Chemistry (Oxidation and Reduction) 8. Patterns in the Periodic Table (Periodic trends, Group properties, Transition elements, Reactivity Series)
	6092/02	1h 30m	Structured and Free Response - Section A : a variable number of compulsory structured questions. The last 2 questions will carry 20 marks, one of which is a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. - Section B : Will consist of one question.	
	6092/03	55m	Practical	<ul style="list-style-type: none"> <li>Manipulation, measurement and observation (MMO)</li> <li>Presentation of data and observations (PDO)</li> <li>Analysis, conclusions and evaluation (ACE)</li> </ul>
Biology	6093/01	45m	Multiple Choice : 30 compulsory multiple choice items of the direct choice type	1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules 4. Nutrition in Humans 5. Transport in Humans 6. Respiration in Humans 7. Excretion in Humans 12. Molecular Genetics
	6093/02	1h 30m	Structured and Free Response - Section A : a variable number of compulsory structured questions. The last 2 questions will carry 20 marks, one of which is a data-based question requiring candidates to interpret, evaluate or solve problems using a stem of information. - Section B : Will consist of one question.	
	6093/03	55m	Practical	<ul style="list-style-type: none"> <li>Manipulation, measurement and observation (MMO)</li> <li>Presentation of data and observations (PDO)</li> <li>Analysis, conclusions and evaluation (ACE)</li> </ul>
Science 'N' (Physics, Chemistry)	5105/01	1h 15m	Multiple Choice : consists of 20 compulsory multiple choice questions	1. Physical Quantities, Units and Measurement 2. Kinematics 3. Force and Pressure 4. Dynamics 5. Energy 6. Kinetic Particle Model of Matter 7. Thermal Processes 8. General Wave Properties 9. Electromagnetic spectrum
	5105/02		Structured : Section A : will carry 22 marks and contains a small number of compulsory structured questions. The last question will carry 8 marks. Section B : will carry 8 marks and will contain one structured question.	
Science 'N' (Physics, Chemistry) & Science 'N' (Chemistry, Biology)	5105/03 5107/03	1h 15m	Multiple Choice : consists of 20 compulsory multiple choice questions	1. Experimental Chemistry (Experimental Design, Methods of Purification and Analysis) 2. The Particulate Nature of Matter (Kinetic Particle Theory, Atomic Structure) 3. Chemical Bonding and Structure (Ionic Bonding, Covalent Bonding, Structure and Properties of Materials) 4. Chemical Calculations (Formulae and Equation Writing) 5. Acid-Base Chemistry 6. Qualitative Analysis 7. Patterns in the Periodic Table (Periodic Trends, Group Properties)
	5105/04 5107/04		Structured : Section A : will carry 22 marks and contains a small number of compulsory structured questions. The last question will carry 8 marks. Section B : will carry 8 marks and will contain one structured question.	
Science 'N' (Chemistry, Biology)	5107/05	1h 15m	Multiple Choice : consists of 20 compulsory multiple choice questions	1. Cell structure and organisation 2. Movement of substances 3. Biological Molecules 4. Nutrition in Humans 5. Transport in Humans
	5107/06		Structured : Section A : will carry 22 marks and contains a small number of compulsory structured questions. The last question will carry 8 marks. Section B : will carry 8 marks and will contain one structured question.	
Science Syllabus T	5148/01	1h 15 min	Paper 1 consists of two sections: Section A will carry 40 marks and consist of 30 multiple-choice questions (30 marks) and 2 to 5 selected response questions (10 marks). Section B will carry 10 marks and consist of 2 to 3 selected-response, short-answer and/or structured questions with video, animation or interactive stimuli. Selected response questions in Paper 1 may include matching, checkbox, drag and drop, and fill-in-the blank. Candidates answer questions on a computer for Paper 1.	1.1 Energy 1.2 Electricity 1.3 Wave 1.4 Effects of Force 3.1 Staying Healthy 3.2 Digestion 3.3 Breathing 3.4 Blood Circulation
	5148/02	1h	Paper 2 will carry 50 marks and consist of a variable number of short-answer and structured questions. One of the questions is a data-response question, requiring candidates to interpret, evaluate or solve problems using data and/or observations. This question will carry 8–12 marks.	

Subject	Code	Duration	Exam Format	Topics Covered
<b>Nutrition and Food Science Syllabus A</b>	6073/01	1h 30m	Written Paper : Section A: Multiple choice questions Section B: Short-answer-type questions and data-response-type questions Section C: Open-ended questions	(1) Preparation and cooking of food - cheese - eggs - meat (2) Reactions in food during preparation and cooking - batter - raising agents - microwave cooking
<b>Nutrition and Food Science Syllabus T</b>	5979/01	1h 30m	Candidates are to answer all questions. Section A: Multiple choice questions Section B: Short-answer-type questions Section C: structured type questions	(1) Preparation and cooking of food - fish - eggs - fruits - meat - milk (2) Reactions in food during preparation and cooking - batter - sauce - cake - baking - heat transfer
<b>Design and Technology Syllabus A</b>	7055/01	1h 30m	Written Paper : Students to answer all 3 structured questions. Qn 1. Design process Qn 2. Mechanisms Qn 3. Electronics	1. Design Communication 2. Mechanism 3. Electronics
<b>Design and Technology Syllabus T</b>	7062/01	1h	Written Paper : Students to answer all 5 structured questions. Qn 1 to 3. Design process Qn 4. Mechanisms Qn 5. Electronics	1. Design Communications 2. Mechanism 3. Electronics
<b>Principles of Accounts</b>	7086/01	1h	Answer 3 to 4 compulsory structured questions. (40 marks)	<ul style="list-style-type: none"> <li>• Chapter 1: Introduction to Accounting</li> <li>• Chapter 2: Accounting Information System</li> <li>• Chapter 3: Elements of Financial Statements and the Accounting Equation</li> <li>• Chapter 4: Double-entry Recording</li> <li>• Chapter 5: Trial Balance and Financial Statements</li> <li>• Chapter 8: Cash</li> <li>• Chapter 9: Inventories</li> <li>• Chapter 12: Trade payables</li> </ul>
	7086/02	2h	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.	
<b>Computer Applications</b>	7018/01	1h	Written Paper : Section A contains 20 multiple-choice questions. Section B contains a variable number of short-structured questions of variable marks.	Written Paper CPF, MEL, DOP, IMC, SST, AGM
	7018/02	1h 30m	Practical	MEL (Video Editing), SST, AGM
<b>Elements of Business Skills</b>	7066/01	1h 30m	There will be 4 compulsory questions, comprising short response and structured questions: (i) with helping words; (ii) requiring short answers	Chapters 1 to 6