

**Gan Eng Seng School**  
**End-of-Year Examination 2017**  
**Year 3 Normal Technical**

Subject	Format	Topics	Duration
English Language 1195	<p>PAPER ONE [60] - 30%</p> <p>Section A: Functional Tasks            Part 1: Form Filling [10]            Candidates fill in a form based on given information.            Part 2: Functional Writing [20]            Candidates write about 80 words based on the context provided in Part 1.</p> <p>Section B: Guided Writing [30]            Candidates write a text of at least 180 words. A stimulus text, which may include visuals, will be provided.</p>	Not Applicable	1 h 15 min
	<p>PAPER TWO [80] - 40%</p> <p>Language Use and Comprehension</p> <p>Section A: Language Use            Part 1: Editing [10]            Candidates edit grammatical errors in a given text.            Part 2: Language in Spoken Context [10]            Candidates complete a transcript of a spoken text.            Part 3: Modified Cloze I [10]            Candidates complete a cloze passage testing vocabulary.            Part 4: Modified Cloze II [10]            Candidates complete a cloze passage testing grammar.</p> <p>Section B: Reading Comprehension            Part 5: Comprehension I [10]            Candidates answer questions on an informational text.            Part 6: Comprehension II [30]            Candidates answer questions on a text with visuals.</p>		1 h 20 min
	<p>PAPER THREE [30] - 10%</p> <p>Listening            Candidates complete a variety of listening tasks.</p>		45 min
	<p>PAPER FOUR [40] - 20%</p> <p>Oral Communication</p>		20 min
Mathematics 4046	<p>Paper 1: [50 Marks]            About 11 – 13 short questions carrying 2-4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 long questions carrying 6-8 marks, developed around a context.            Candidates are to answer ALL questions. (Questions would cover topics from the strands: Numbers &amp; Algebra, Geometry &amp; Measurement, Real-world Contexts related to Number and Algebra and Geometry and Measurement)</p>	<p>Chapter 1 Indices and Standard Form            Chapter 2 Map Scales            Chapter 3 Algebraic Expressions, Equations and Formulae            Chapter 4 Simultaneous Linear Equations and Quadratic Equations            Chapter 5 Functions and Graphs            Chapter 6 Practical Applications of Mathematics            Sec 1 NT            Chapter 6 Angles            Chapter 9 Area and Perimeter            Chapter 11 Algebra            Chapter 12            Mathematics in Practical Situations (Profit and loss, Hire Purchase, Household Finances, Time and Time Zones)            Sec 2 NT            Chapter 1 Triangles and Quadrilaterals            Chapter 2 Congruency and Similarity            Chapter 7 Pythagoras' Theorem            Chapter 11            Mathematics in Practical Situations II            (Money Exchange, Simple and Compound interests, Costs of living, Graphs in Practical Situations I)</p>	1 h 30 min
	<p>Paper 2: [50 Marks]            About 11 – 13 short questions carrying 2-4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 long questions carrying 6-8 marks, developed around a context.            Answer ALL questions. (Questions would cover topics from the strands: Numbers &amp; Algebra, Statistics &amp; Probability, Real-world Contexts related to Number and Algebra and Statistics and Probability)</p>		1 h 30 min
Science 5148	<p>Paper 1: 40 compulsory multiple choice questions [40 marks]            Weighting: 40%</p>	<p>1) 1.1 Energy and Its Uses            2) 1.2 Energy Transfer through Waves            3) 1.3 Effects of Forces            4) 1.4 Electricity            5) 1.5 Sources of Electricity            6) 2.1 Sources of Food            7) 2.2 Food Chemistry            8) 2.3 Food Health and Safety</p>	1 h
	<p>Paper 2: A variable number of compulsory short-answered or structured questions with a data response question [60 marks]            Weighting: 60%</p>		1 h 15 min
Computer Applications 7018	<p>Paper 1: (Written Paper)            [15% of the total marks for the subject]</p> <p>The paper contains two sections.            Section A (20 marks) contains 20 multiple-choice questions with 4 choices per question.            Section B (30 marks) contains a variable number of short-structured questions of variable mark values.</p>	<ul style="list-style-type: none"> <li>• Computer Fundamentals (CPF)</li> <li>• Media Elements (MEL)</li> <li>• Multimedia Communication (MMC)</li> <li>• Media Computing (MEC)</li> <li>• Document Processing (DOP)</li> <li>• Spreadsheets (SST)</li> </ul>	1 h
	<p>Paper 2: (Lab-based)            [10% of the total marks for the subject]</p> <p>The skills are assessed through the use of a word processor to edit and format a given document and mail merge it with a given source data, computer graphics software to create a drawing, and presentation software to create a multimedia slide presentation with given media elements.            The allotted time includes time for submitting the required work.            Total marks for this paper is 50.</p>		1 h
	<p>Paper 3: (Lab-based)            [10% of the total marks for the subject]</p> <p>This paper will assess skills in carrying out a series of tasks to provide solutions to two problem scenarios. The skills are assessed through the use of spreadsheet and programming software (with sub-task on game development and the two problem scenarios, which will be described in the question paper). Candidates will create a flowchart and save it as a word-processed document.            The allotted time includes the time for submitting the required work.            Total marks for this paper is 70.</p>		1 h 30 min

	Coursework (Lab-based done during curriculum hours in Term 2) [15% of the total marks for the subject]  Game development course project. Total marks for this paper is 50.	<ul style="list-style-type: none"> <li>• Media Elements (MEL)</li> <li>• Media Computing (MEC)</li> <li>• Document Processing (DOP)</li> </ul>	6 h
Elements of Business Skills 7066	Paper 1: Written Paper [100 Marks] Candidates are to answer ALL questions. There will be 4 to 5 short-response and structured questions (i) with helping words; (ii) requiring short answers, not necessarily in complete sentences. Activity type and pictorial questions may be included.	Chapter 1 Introduction to Business Chapter 2 Businesses in Selected Service Industries 2.1 The travel and Tourism Industry 2.2 The Hospitality Industry 2.3 The Retail Industry Chapter 3 Introduction to Marketing Chapter 4 The Marketing Mix Chapter 5 Communication with the Customer Chapter 6: Customer Service	1 h 30 min
Design & Technology 7053	Paper 1 comprises of Part A & Part B. [30% of the total marks for the subject]  Part A [40% of the total marks for the paper – 20 out of 50 marks] Five questions requiring short answers. Candidates are to answer ALL questions.  Part B [60% of the total marks of the paper – 30 out of 50 marks] Candidates are required to answer two out of three questions	Part A: Item testing on: Technological: - Basic Electricity and Electronics - Simple Mechanisms  Part B: Item testing on: Design: - Design Method - Project Management - Research - Need Definition - Idea Generation and Development - Realisation Plan - Evaluation - Design & Technology in Society - Design Communication - Ergonomics and Anthropometry  Technological: - Basic Electricity and Electronics - Simple Mechanisms	1 h
Basic Chinese Language 1202	Paper 1: 语文运用 (10分), 阅读理解一 (10分), 阅读理解二 (10分)	Not Applicable	50 min
	Paper 2: 口试 (50分)		15 min
	Paper 3: 听力考试 (20分)		45 min
Basic Malay Language 1203	Paper 1: Bahagian A: (10marks), Bahagian B (20marks)	Not Applicable	50 min
	Paper 2: Lisan (50marks)		15 min
	Paper 3: Kefahaman Mendengar (20marks)		45 min
Basic Tamil Language 1204	Paper 1: முன்னுணர்வு (10marks), வாசிப்பு (10marks), சுருத்துப்படம் (10marks)	Not Applicable	50 min
	Paper 2: வாய்மொழி (50marks)		15 min
	Paper 3: கேட்டல் (20marks)		45 min