Gan Eng Seng School
Preliminary Examination 2025
Year 4 Normal Technical

Subject	Format	Topics	Duration
English Language(1195)	PAPER ONE [70] - 30%	All units covered from Sec 1 - 4.	1 h 20 min
	PAPER TWO [60] - 40% Language Use and Comprehension		1 h 20 min
	PAPER THREE [20] - 10% Listening Candidates complete a variety of listening tasks.		Appx 45 min
	PAPER FOUR [40] - 20% Oral Communication The two parts in this paper are not thematically linked.		20 min (including 10 min of preparation time)
Mathematics(4046)	Paper 1: [50 Marks] There will be 11–13 short questions carrying 2–4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context. Candidates are required to answer all questions which will cover topics from the following strands • Number and Algebra • Geometry and Measurement **Weighting: 50%**	N1 Numbers and Algebra N2 Ratio and Proportion N3 Percentage N4 Rate and Speed N5 Algebraic Expressions and Formulae N6 Functions and Graphs N7 Equations G1 Angles, triangles and quadrilaterals G2 Symmetry, congruence and similarity G3 Pythagoras' theorem and trigonometry G4 Mensuration S1 Data handling and analysis S2 Probability For more details, please refer to https://www.seab.gov.sg/files/NT%20Lvl%20Syllabus%20Sch%20Cddts/2025/4046_y25_sy.pdf	1 h 30 min
	Paper 2: [50 Marks] There will be 11–13 short questions carrying 2–4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context. Candidates are required to answer all questions which will cover topics from the following strands • Number and Algebra • Statistics and Probability **Weighting: 50%**		1 h 30 min

Science (5148)	(5148/01) Weighting: 50 % [50 marks] Paper 1 (e-Examination) 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 2.1 Sources of Food 2.2 Food Chemistry 2.3 Food Safety 3.1 Staying Healthy 3.2 Digestion 3.3 Breathing 3.4 Blood Circulation Experimental skills and investigation included in theory paper	1 h 15 min
	(5148/02) Weighting: 50 % [50 marks] 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.		1 h
Computer Application (7018)	Paper 1: (Written Paper) (Total 60 marks) The paper contains two sections. Section A (20 marks) contains 20 multiple-choice questions with 4 choices per question. Section B (40 marks) contains a variable number of short-structured questions of variable mark values. There will be at least one question on representing programming instructions using flowcharts. [This paper carries 30% of the total marks for the subject grade.)	• Computer Fundamentals (CPF) • Media Elements (MEL) • Document Processing (DOP) • Spreadsheets (SST) • Interactive Multimedia Communication (IMC) • Animation and Game Making (AGM) Include topics from Sec 1, Sec 2 and Sec 3	1 h 15 min
	Paper 2: (Lab-based) (Total 70 marks) This paper will assess candidate's ability to carry out three tasks using appropriate application software: - Task 1 (~21 marks) computer graphics software to create a drawing, - Task 2 (~28 marks) word processing software to edit and format a given document and perform mail merge using a given source data, and - Task 3 (~21 marks) presentation software to create a multimedia slide presentation with given media elements. The allotted time includes time for saving the required work in the candidates' computers. [This paper carries 35% of the total marks for the subject grade.)	• Media Elements (MEL) • Document Processing (DOP) • Interactive Multimedia Communication (IMC)	1 h 30 min
	Paper 3: (Lab-based))Total 70 marks) This paper will assess candidate's ability to carry out three tasks using appropriate application software: - Task 1 (~14 marks) video editing software to create a video file, - Task 2 (~28 marks) spreadsheet software to edit a spreadsheet and create charts, and - Task 3 (~28 marks) programming software to create a game. The allotted time includes time for saving the required work in the candidates' computers. [This paper carries 35% of the total marks for the subject grade.)	• Media Elements (MEL) • Spreadsheets (SST) • Animation and Game Making (AGM)	1 h 30 min

Elements of Business Skills (7066)	Paper 1: [100 Marks] Answer ALL questions. [100% of the total marks for the examination] The question paper will comprise 4 compulsory questions, comprising structured and short response questions. Each question provides a business context that frames the subsequent part questions. Candidates may be required to select a response to true/false items, match/sequence items, complete items from a choice of options, etc. or to compose a response to a given context.	Unit 1 Understanding Business Activities - Chapter 1: Introduction to Business - Chapter 2: Businesses in the Travel and Tourism, Hospitality and Retail Industries Unit 2 Basic Marketing - Chapter 3: Introduction to Marketing - Chapter 4: The Marketing Mix Unit 3 Customer Relations - Chapter 5: Communication with the Customer - Chapter 6: Customer Service For more information, refer to SEAB website: https://www.seab.gov.sg/files/NT%20Lvl%20Syllabus%20Sch%20Cddts/2025/7066_y25_sy.pdf	1 h 30 min
Basic Chinese Language (1202)	Paper 1: 实用文 （10分）	Not Applicable	30 min
	Paper 2: 语文运用与阅读理解（25分）	Not Applicable	40 min
	Paper 3: 听力考试 （20分）/ 口试 (45分)：读 (15分)， 录像会话 (30分)	Not Applicable	30 min / 15 mins
Basic Malay Language (1203)	(e-assessment) Paper 1: Penulisan Fungsional (10 marks)	Not Applicable	30 min
	(e-assessment) Paper 2: Penggunaan Bahasa (25 marks)	Not Applicable	40 min
	Paper 3: Kefahaman Mendengar (20 marks); Lisan: Bacaan Lantang (15 marks), Perbualan (30 marks)	Not Applicable	30 min / 15 mins
Basic Tamil Language (1204)	E assessment Paper 1 நடைமுறை சார்ந்த எழுத்துப் படைப்பு(10marks)	Not Applicable	30 min
	E Assessment Paper 2 (அ)மொழிப்பயன்பாடு(5 marks) (ஆ)மரபுத்தொடர்கள் (4 marks),(இ)கருத்து விளக்கப்பட கருத்தறிதல் வாசிப்புக் கருத்தறிதல் (16marks) Total (25 marks)	Not Applicable	40 min
	Paper 3 : கேட்டல் (20marks), வாய்மொழி வாசித்தல் (15 marks) ஒளிக்காட்சி (30 marks)	Not Applicable	30 min / 15 mins
Mobile Robotics (A101)	Paper 1 (MCQ) (30 marks): (Weightage 30% of Prelim)	1. Mobile Robots 2. Basic Electricity 3. Basic Electronics 4. Digital Electronics 5. Design 6. Input and Output Devices 7. Simple Mechanisms 8. Simple Robots 9. Integration (Building a Mobile Robot)	1 h
	Paper 2 (Practical) (50 marks): (Weightage 30% of Prelim) Given a logic circuit diagram, construct the logic circuit on the breadboard provided.	2. Basic Electricity 3. Basic Electronics 4. Digital Electronics 6. Input and Output Devices	1 h 30 mins

	Paper 3 (Practical) (80 marks): (Weightage 40% of Prelim) Part A: Drawing a logic circuit based on the given truth table, by using Karnaugh Maps to derive the optimal Boolean expressions on which the logic circuit will be based on Part B: Integrate and test a mobile robot with a given sub-system to perform a desired task	2. Basic Electricity 3. Basic Electronics 4. Digital Electronics 6. Input and Output Devices 7. Simple Mechanisms 8. Simple Robots 9. Integration (Building a Mobile Robot)	2 h

* The total marks will be converted into 100%