

Zhenghua Secondary School

Sec 4 Normal (Technical) Syllabus Coverage for Mid-Year Examination 2022

ENGLISH LANGUAGE T 1195

S/N	Topics	Format / Weighting
1	<p>Paper 1: Writing</p> <p><u>Section A: Functional Tasks</u></p> <p>Part 1- Form Filling based on given information</p> <p>Part 2- Functional Writing Candidates write about 80 words on the context provided in Part 1</p> <p><u>Section B: Guided Writing</u></p> <p>Candidates write a report of at least 180 words. A stimulus text, which may include visuals, will be provided.</p> <p><i>Duration of Examination = 1hr 15mins</i></p>	<p>10 marks</p> <p>20 marks</p> <p>30 marks</p> <p>Total= 60 marks (30%)</p>
2	<p>Paper 2: Comprehension</p> <p><u>Section A: Language Use</u></p> <p>Part 1- Editing</p> <p>Part 2- Language in Spoken Context</p> <p>Part 3- Modified Cloze I</p> <p>Part 4- Modified Cloze II</p> <p><u>Section B: Reading Comprehension</u></p> <p>Part 5- Comprehension I</p> <p>Part 6- Comprehension II</p> <p><i>Duration of Examination = 1hr 20mins</i></p>	<p>10 marks</p> <p>10 marks</p> <p>10 marks</p> <p>10 marks</p> <p>10 marks</p> <p>30 marks</p> <p>Total= 80 marks (40%)</p>
3	<p>Paper 3: Listening</p> <p>Skills assessed: Listening for main ideas, details and inference.</p> <p><i>Duration of Examination = approximately 50mins</i></p>	<p>20 marks</p> <p>Total= 20 marks (10%)</p>
4	<p>Oral communication (E-oral)</p> <p>The two parts in this paper are thematically linked.</p> <p><u>Part 1: Reading Aloud</u> Candidates read aloud a short text.</p> <p><u>Part 2: Spoken Interaction</u> Candidates engage in a discussion with the Examiners on a topic based on the video stimulus.</p>	<p>15 marks</p> <p>25 marks</p> <p>Total= 40 marks (20%)</p>

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Syllabus Coverage for Mid-Year Examination 2022

BASIC CHINESE (1202) 普通（工艺）华文

	试卷	项目	必答题数	分数	分数比例
1	语文理解与应用 (试卷一) 50 分钟	语文应用	5	10	
		理解测验	5	10	
		阅读理解 - 选择题	2	4	
		阅读理解 - 自由作答 (包括电邮、简信)	2	6	
		总		30	30%
2	口语考试 (试卷二)	朗读短文		20	
		看录像短片说话		30	
		总		50	50%
3	听力考试 (试卷三)	选择题	10	20	20%
		总分		100	100%

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BASIC MALAY 1203

Kertas	Komponen	Markah / Timbangan	Catatan
1	Bahagian A: Prosedur Kloz Calon dikehendaki menjawab 5 soalan bahasa yang terdiri daripada 5 item MCQ.	10	Masa peperiksaan: 50 minit
	Bahagian B: Kefahaman Calon dikehendaki menjawab 9 soalan pemahaman. Bahagian B1 & B2 merangkumi dua teks pendek berserta 5 item MCQ. Bahagian B3 pula terdiri daripada 1 teks yang mempunyai 2 item MCQ dan 2 item respons bebas.	20	
	Jumlah	30 (30%)	
2	Lisan Bahagian A: Bacaan Lantang Bahagian B: Perbualan Berdasarkan Video	20 30	
	Jumlah	50 (50%)	
	3	Kefahaman Mendengar	

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MALAY LANGUAGE 1197 (NT SBB – Normal Academic Syllabus)

Kertas	Komponen	Markah / Timbangan	Catatan
1	Bahagian A: E-mel Calon dikehendaki menjawab satu soalan daripada: a) E-mel tidak formal b) E-mel formal	20	Kamus Dewan boleh digunakan Masa peperiksaan: 2 jam
	Bahagian B: Karangan Calon dikehendaki menjawab satu soalan daripada karangan jenis: a) Deskriptif/Naratif b) Ekspositori c) Naratif	40	
	Jumlah	60 (30%)	
2	Bahagian A1: Imbuhan	10	Kamus tidak boleh digunakan. Masa peperiksaan: 1 jam 30 minit
	Bahagian A2: Peribahasa	5	
	Bahagian A3: Melengkapkan Teks	5	
	Bahagian B: Grafik Stimulus	10	
	Bahagian C: Kefahaman	30	
	Jumlah	60 (30%)	
3	Lisan		Masa peperiksaan: 30 minit
	Bahagian A: Bacaan Lantang	20	
	Bahagian B: Perbualan Berdasarkan Video	40	
	Kefahaman Mendengar	20	
Jumlah	80 (40%)		

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SCIENCE T 5148

Duration of Examination: Paper 1: 1 hour Paper 2: 1 hour 15 minutes

S/N	Topics	Format/ Weightings
1	Energy and Its Uses	<p><u>Paper 1 (40 marks)</u> Multiple Choice Questions</p> <p><u>Paper 2 (60 marks)</u> Structured Questions</p> <p>Total: 100 marks</p>
2	Energy Transfer through Waves	
3	Effects of Forces	
4	Electricity	
5	Sources of Electricity	
6	Sources of Food	
7	Food Chemistry	
8	Food Health and Safety	
9	Digestion	
10	Breathing	
11	Fitness and Cardiac Health	
12	Staying Healthy	

MATHEMATICS T 4046

Duration of Examination: 1 hour 30 minutes (P1 & P2)

S/N	Topics	Format / Weightings
	(Includes all topics from sec 1, 2 & 3)	<p>Paper 1: 50 marks (50%) 1hr 30min Calculators Allowed</p> <p>Paper 2: 50 marks (50%) 1hr 30min Calculators Allowed</p>
1	Cumulative Frequency Distribution	
2	Mensuration	
3	Trigonometry	

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SCIENCE (Physics, Chemistry) 5105 (For 4TSBB students)

Duration of Examination: Papers 1 and 2: 1 hour 15 minutes
Papers 3 and 4: 1 hour 15 minutes

S/N	Topics	Format/ Weightings
Physics		
1	Physical Quantities, units and Measurement	<p><u>Paper 1 (Physics) (20 marks)</u> Multiple Choice Questions</p> <p><u>Paper 2 (Physics)</u> <u>Section A (14 marks)</u> Structured Questions</p> <p><u>Section B (16 marks)</u> Free Response Questions Choose 2 out of 3 questions [note: Only the first two questions are assessed if all 3 questions are attempted]</p> <p><u>Paper 3 (Chemistry) (20 marks)</u> Multiple Choice Questions</p> <p><u>Paper 4 (Chemistry)</u> <u>Section A (14 mark)</u> Structured Questions</p> <p><u>Section B (16 marks)</u> Free Response Questions Choose 2 out of 3 questions [note: Only the first two questions are assessed if all 3 questions are attempted]</p> <p style="text-align: center;">Total: 100 marks</p>
2	Kinematics	
3	Forces and Pressure	
4	Mass, Weight and Density	
5	Turning effect of Forces	
6	Energy, Work and Power	
7	Kinetic model of matter	
8	Transfer of thermal energy	
9	Thermal properties of matter	
10	General wave properties	
11	Electromagnetic spectrum	
12	Sound	
13	Current electricity	
14	DC circuits	
15	Practical electricity	
Chemistry		
1	Kinetic Particle Theory	
2	Measurement and Experimental Techniques	
3	Separation and Purification	
4	Elements, Compounds and Mixtures	
5	Atomic Structure	
6	Chemical Bonding	
7	Writing Chemical Equations	
8	The Mole (8.1, 8.2 and 8.3 only)	
9	Acids and Bases	
10	Salts (not including Qualitative Analysis)	
11	Metals	
12	The Periodic Table	
13	An Introduction to Organic Chemistry	
14	Alkanes	
15	Alkenes	

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MATHEMATICS (NA) 4045 (for 4TSBB students)

Duration of Examination: Paper 1: (2 hours) Paper 2: (2 hours)

Syllabus has completed. All Sec 1 to Final Year topics are tested.

S/N	Topics	Format / Weightings
Unit 1	Numbers and Algebra	Paper 1: 80 marks (50%) 2hr Calculators Allowed Paper 2: 60 marks (50%) 2hr Calculators Allowed Section A: Answer all questions Section B: One question from the “Geometry & Measurement” strand and one from the “Statistics and Probability” strand. Choose one out of 2 questions.
	1.1 Numbers and their Operations	
	1.2 Ratio and Proportion	
	1.3 Percentage	
	1.4 Rate and Speed	
	1.5 Algebraic Expressions and Formulae	
	1.6 Functions and Graphs	
	1.7 Equations and Inequalities	
	1.8 Problems in Real-World Contexts	
Unit 2	Geometry and Measurement	
	2.1 Angles, Triangles and Polygons	
	2.2 Congruence and Similarity	
	2.3 Properties of Circles	
	2.4 Pythagoras’ Theorem and Trigonometry	
	2.5 Mensuration	
	2.6 Coordinate Geometry	
Unit 3	Statistics and Probability	
	3.1 Data Analysis	
	3.2 Probability	

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DESIGN & TECHNOLOGY 7062

Duration of Examination: 1 hour

S/N	Topics	Format / Weightings
1	Theory Paper: Design Process Electronic Mechanism	50 marks (30%) Design Process: 18 marks Electronics: 16 marks Mechanism: 16 marks Structured questions and open ended questions
2	Coursework (Journal)	60 marks (70%)

ART 6128

Duration of Examination: 3 hours

S/N	Topics	Format / Weightings
	Paper 2	100 marks (100%)
1)	Investigation and Development of a solution	25%
2)	Aesthetic /Design Qualities	25%
3)	Visual Presentation	25%
4)	Personal Response	25%

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ELEMENTS OF BUSINESS SKILLS 7066

Duration of Examination: 1 hour 30 minutes

S/N	Topics	Format / Weighting
1	Paper 1: Theory Chapter 1 to 6 1. Introduction to Business 2. Business in the Travel & Tourism, Hospitality and Retail Industries 3. Introduction to marketing 4. The Marketing Mix 5. Communication with the customer 6. Customer Service	Total = 100 marks (100%)

COMPUTER APPLICATIONS 7018

S/N	Topics	Format / Weightings
1	<u>Theory</u> Duration of Examination: 1 hour 15 mins Computer Fundamentals, Media Elements, Document Processing, Spreadsheets, Interactive Multimedia Communication, and Animation & Game Making	Paper 1 (30%) <u>Section A</u> MCQs (20 marks) <u>Section B</u> Short Structured Questions (40 marks)
2	<u>Practical</u> Duration of Examination: 1 hour 30 mins Media Elements Word Processing Interactive Multimedia Communication	Paper 2 (35%) 70 marks
3	<u>Practical</u> Duration of Examination: 1 hour 30 mins Media Elements, Spreadsheets and Animation & Game Making	Paper 3 (35%) 70 marks