

Presbyterian High School

END OF YEAR EXAMINATION

Exam Preparatory Notes

5 Oct 2016 – 14 Oct 2016

Level: Sec Three Normal (Technical)

As at 22 Sep 2016

Subject	Classes	Exam Format	Chapter/Topic/Area Tested	Remark
English	3A	<p>Paper 1 Writing 60m (1hr 15mins) Section A: Functional Tasks Part 1 – Form Filling (10 marks) Part 2 – Functional Writing (20 marks) Section B: Guided Writing (30 marks)</p> <p>Paper 2 Language Use and Comprehension 80m (1hr 20mins) Section A: Language Use Part 1 – Editing (10 marks) Part 2 – Language in Spoken Context (10 marks) Part 3 – Modified Cloze I (10 marks) Part 4 – Modified Cloze II (10 marks) Section B: Reading Comprehension Part 5: Comprehension I (10</p>	<p>Paper 1 Writing Section A: Functional Tasks Part 1 – Students complete a form based on a given context. In addition to the context, candidates are to make use of the information provided in an informational text, i.e. it can be a brochure, an advertisement or a notice, based on what has been covered in class, to complete the task. Part 2 – Pupils write a functional piece of about 80 words, (i.e. it can be a letter of application, a note of excuse or an eye-witness account, based on what has been covered in class), in response to the context provided in Part 1.</p> <p>Section B: Guided Writing Pupils write a text of at least 180 words based on a given context which involves viewing a stimulus text. Pupils are required to write the text, i.e. it can be a journal entry, a personal letter or an explanation, based on what has been covered in class, to suit the purpose, audience and context.</p> <p>Paper 2 Language Use and Comprehension Section A: Language Use</p>	<p>Language proficiency will be evaluated. Application of accumulative knowledge of language use, grammar and vocabulary, as well as reading and writing skills, is required.</p>

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		<p>marks) Part 6: Comprehension II (30 marks)</p> <p>Paper 3 Listening 20m (45 mins) Listen to a variety of spoken texts and complete a range of listening tasks.</p>	<p>Part 1 -- Pupils indicate whether each of the underlined words is incorrect or redundant in a text of about 150 words. For incorrect words, pupils provide the correct ones in the spaces provided. Part 2 – Pupils select their responses from given options to fill in the gaps in a transcript of a conversation. Part 3 -- Pupils complete a modified cloze passage testing vocabulary. Pupils select their responses from a list of 15 words to fill in the blanks. Part 4 – Pupils complete a modified cloze passage testing grammar. Pupils are to use their own words to fill in the blanks.</p> <p>Section B: Reading Comprehension Part 5 – Pupils answer different types of questions, e.g. fill-in-the-blank, true-false and open-ended questions, on an informational text. The text may include visuals, such as charts, maps, tables and graphs. Part 6 – Pupils read a text and answer a variety of questions. The text will be accompanied by visuals. Pupils also select from the given options the meaning of five words as used in the text.</p>	
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			<p>Paper 3 Listening Pupils listen to a variety of spoken texts and complete a set of listening tasks comprising multiple-choice questions, matching and ordering. Spoken texts, such as conversations, speeches, announcements, reports and presentations of informational texts, may be included.</p>	
English	Selected students who takes NA paper	<p>Paper 1 Writing 70m (1hr 50min) Section A: Editing (10 marks) Section B: Situational Writing (30 marks) Section C: Continuous Writing (30 marks)</p> <p>Paper 2 Comprehension 50m (1hr 50min) Respond to questions based on Section A: A Visual Text (5 marks) Section B: Either a narrative or a recount (20 marks)</p>	<p>Paper 1 Section A: Identify and edit grammatical errors in a short written text. Error types tested: articles, conjunctions, tenses, verb forms, word forms and adverbs of time.</p> <p>Paper 1 Section B: Write 180 to 250 words on a given situation which will involve viewing a visual text. Pupils are required to write the text, i.e. it can be an email , a letter , a speech or a report, based on what has been covered in class) to suit the purpose, audience and context.</p> <p>Paper 1 Section C: Pupils choose one out of four topics to write a text of 250 to 400 words in continuous prose. The topics set may cover different types of texts, i.e. it can be a</p>	Language proficiency will be evaluated. Application of accumulative knowledge of language use, grammar and vocabulary, as well as reading and writing skills, is required.

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		Section C: A non-narrative text and write an 80-word response to a summary writing task. (25 marks)	<p>Recount, Narrative, Expository or Information text, based on what has been covered in class.</p> <p>Paper 2: Question types: Literal, Inferential, Quotation, Vocabulary, Own Words, How language achieves impact, Evaluative and Summary questions based on the visual text and the reading comprehension passages.</p>	
Mathematics	3A	<p>Paper 1 : 1.5 hr.</p> <p>Topics: Number and algebra Geometry and Measurement</p> <p>Paper 2 : 1.5 hr.</p> <p>Topics: Number and algebra Statistics and probability</p>	<p><u>Marshall Cavendish SEC 3 Textbook</u> Chapter 1: Indices and standard form Chapter 2: Map scale Chapter 3: Algebraic expressions Chapter 4: Simultaneous linear equations and quadratic equations Chapter 5: Functions and graphs Chapter 6: Practical Applications of Mathematics</p> <p>Lower Secondary Topics Geometry and measurement Number and algebra Statistics and probability Real world contexts relating to above</p>	Bring along calculators, construction sets, Ruler, Pencil and Eraser

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Mathematics	Selected students who takes NA paper	Paper 1 : 2 hrs. (80m) Paper 2 : 2 hrs. (60m)	ALL the Lower Secondary Topics and the following Sec 3 Topics: Ch 1: Indices Ch 2: Algebraic Manipulation Ch 3: Quadratic Equations Ch 4: Congruence and Similarity Ch 5: Coordinate Geometry Ch 6: Trigonometric Ratios of Acute Angles Ch 7: Sine Rule and Cosine Rule Ch 8: Graphs of Quadratic Functions Ch 9: Graphs of Power Functions and Exponential Functions	Students are to bring their calculators, construction sets (protractors & compasses), curve rulers and long rulers. Answers to Paper 1 will be written in spaces provided in the Qn Paper. Answers to Paper 2 will be written on separate writing paper provided. All workings must be clearly shown as omission will result in the loss of marks. Students are to use dark blue or black ink. Workings in pencil will not be accepted.
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Science NT	3A	2h paper Section A: MCQ (20 marks) Section B: Short answer questions (30 marks) Section C: Structured questions (30 marks)	Textbook: Chapter 1: Energy and Its Uses Chapter 2: Energy Transfer Through Waves Chapter 3: Effects of Forces Chapter 4: Electricity Chapter 5: Sources of Electricity Chapter 6: Sources of Food Chapter 7: Food Chemistry	Students are to bring and use: <ul style="list-style-type: none"> ● dark blue or black pens ● calculator ● eraser ● mechanical pencil ● ruler Students are reminded to complete <u>ALL</u> questions in the question paper.
Science (Phycis)	Selected students who takes NA paper	Duration: 1 hr 15 min MCQ (5 marks) Short structured (25 marks) Structured Essay (20 marks) *Answer any two questions	Ch1 Physical Quantities Ch2 Kinematics Ch3 Forces and Pressure Ch4 Mass Weight and Density Ch5 Turning Effect of Forces Ch6 Energy, Work and Power Ch7 Kinetic Model of Matter Ch8 Transfer of Thermal Energy'	Bring calculator, protractor, mechanical pencils with 2B lead, soft eraser and long ruler. Pupils are to use dark blue or black pens in answering the questions.
Science (Chemistry)	Selected students who takes NA paper	Duration: 1 hr 15 min Section A (MCQ) – 5 marks Section B (Short Structured) – 25 marks Section C (Structured Essay) - 20	Ch 2: Measurement and Experimental Techniques Ch 3: Separation and Purification Ch 4: Elements, Compounds & Mixtures Ch 5: Atomic Structure Ch 6: Chemical Bonding Ch 7: Writting Chemical Equations Ch 8: The Mole (calculation involving molar mass and mass) Ch 9: Chemical calculations	Bring calculator, pencil and soft eraser and writing material. Pupils are to use dark blue or black pens in answering the questions. Answer any 2 out of 3 questions in Section C.

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		marks *Answer any two questions	Ch 10: Acids and Bases Ch 11: Salts Ch 13.1-13.2: Metals (Not tested Ch 13.3-13.5 Extracting metals. rusting and recycling) Ch 14: The Periodic Table	
Science (Biology)	Selected students who takes NA paper	Duration: 1 hr 15 min Section A – 5 marks Multiple Choice Questions Section B – 25 marks Short Structured Questions Section C - 20 marks Long Structured Questions; Answer any two questions	Ch 2 - Cells Ch 3 - Movement of substances Ch 4 - Nutrients Ch 5 - Enzymes Ch 6 - Nutrition in Humans Ch 7 - Nutrition in Plants Ch 9 - Transport in Plants	Bring dark blue or black pens, pencil, calculator, ruler, soft eraser. Study the slides, worksheets and textbook. Practice the questions in the ten-year-series.
Computer Application	3A	Paper 1: 1 hour Total: 50 marks 20 MCQ 30 marks of short structured questions.	Topics tested: Computer Fundamentals (CPF) previously (COB,CEL) Document Processing (DOP) Spreadsheets (SST) Media Computing (MEC) -> Animation Media Elements (MEL) previously (COG)	REFER TO THE CPA WEBSITE https://www.sites.google.com/a/moe.edu.sg/cpa7018/home Also link previous knowledge in secondary 1 and 2 Refer to the CPA online textbook and handouts notes).

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		<p>Paper 2: 1 hour each. 2 different days of practical per student.</p>	<p>Multimedia Communication (MMC) previously (MMP)</p> <p>Instead of 1 practical session of 1 hour, there will be 2 sessions of practical for each student in Sec 3 CPA.</p> <p>The first Practical test (1 hour) will be on: Inkscape drawing and saving as the correct file type, Microsoft powerpoint (creating and saving slides) and Microsoft word (editing documents).</p> <p>The second Practical test (1hour) will be on: Microsoft excel (keying in of formulas and creating chart), Scratch (creating game) and drawing Algorithms.</p>	<p>Include theory which is within the printed textbook.</p>
<p>Design & Technology</p>	<p>3A (selected students)</p>	<p>Part A (20 marks) Answer <u>ALL</u> questions in Part A</p> <p>Part B (30 marks) Choose 2 out of 3 questions in Part B</p> <p>Total (50 marks)</p> <p>Duration: 1hr</p>	<p>Topics:</p> <p><u>Mechanism</u> Functions of Movement, Types of Motion CAM, Linkages, Levers, Gears, Crank, Ratchet & Pawl, Rack & Pinion, Pulley, Springs & Fasteners</p> <p><u>Electronics</u> Conductor & Insulator Electronic Components - Switch, Battery, Bulb, Buzzer, Motor, Solenoid, Relay, Diode, LED, Resistor, Transistor, LDR, Thermistor, Capacitor Series & Parallel Circuits Sensing Circuits - Light/Temperature/Moisture sensing circuits Soldering Technique and Tools</p>	<p>Part A: All answers should be written on question paper. You are advised to spend no longer than 20 minutes on Part A.</p> <p>Part B: All answers should be written on writing paper that is provided. You are advised to spend no longer than 40 minutes on Part B</p> <p>Use only blue or black ink for writing.</p> <p>A 2B graphite pencil and ruler is needed for drawings.</p>

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			<p>Design Shape Borrowing Design Model Design Factors Design Analysis/Evaluation Materials and Practical Processes</p>	Tie the writing papers containing answers to questions in Part B behind the question paper.
Mother Tongue : Chinese Language	3A	<p>Paper 1: 30 min A组: 语文应用 (5题10分) B组: 阅读理解一 (5题10分) C组: 阅读理解二 (4题10分)</p> <p>Paper 3: 30 min • Listening Comprehension</p> <p>MCQ Questions</p> <p>All questions must be answered</p>	<p>Chinese Language 篇章理解: 选择题 根据海报回答问题/写电邮</p>	<p>Paper 1 • Students must read the passages carefully.</p> <p>Paper 3 • Students must listen to the passage attentively; as all the answers can be found directly.</p> <p>• Answers should be checked carefully when the passages are read the second time.</p>
Mother Tongue: Chinese Language	Selected students who takes NA paper	<p>考试格式 Paper 1: (60 marks) 2 hrs (i) 1 Email Writing (20 marks) (ii) 1 Compo Writing (40 marks)</p>	<p>备考范围 卷一: (一) 应用文 (两题选一题)</p>	<p>备注 卷一: (一) 应用文 (字数在150以上) (二) 作文 (字数在300以上)</p>

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	<p>卷一：(60分) 2 小时 (一) 应用文 (20分) (二) 作文 (40分)</p> <p>Paper 2 (60 marks) 1.5 hrs (i) Cloze Passages (10 marks) (ii) Comprehension 1 (20 marks) (iii) Comprehension 2 (30 marks)</p> <p>卷二：(60分) 1.5 小时 (一) 综合填空 (10分) (二) 理解篇章一 (20分) 3-4个短文 (多项选择) (三) 理解篇章二 (30分) 2个短文 (简短问答)</p>	<p>Q1 私人电邮：分享看法类 Q2 公务电邮：投诉类</p> <p>(二) 作文 (四题选一题)</p> <p>Q3 新闻读后感 Q4 议论文 Q5 情境记叙文 Q6 完成文章</p> <p>卷二： 理解与阅读技巧</p> <p>Passages covered will not be explicitly tested in exam; language proficiency is evaluated</p>	<p>Paper 1 :</p> <ul style="list-style-type: none"> • Study Informal/Formal Email format to avoid unnecessary marks deduction. • Do not stop at the minimum words requirement, feel free to express yourself within the time given. • Approved MOE dictionary allowed (need to bear school stamp and signed by Subject Teacher). • Digital dictionaries allowed are: i.Hansvision handheld dictionary, Model PX2051 ii.Bestar All Pass 1, computerized dictionary <p>卷二： 平时阅读、报章阅读</p> <p>Paper 2 :</p> <ul style="list-style-type: none"> • Students are strongly encouraged to attempt all questions especially the higher order comprehension questions that requires opinions and suggestions. • Students must read extensively in order to do well in the cloze passages. • No dictionaries are allowed for Paper 2
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Mother Tongue: Malay Language	3A	<p><u>Kertas 1</u> 50 minit (30 markah)</p> <ul style="list-style-type: none"> • Imbuhan • Kosakata • Stimulus • Pemahaman <p><u>Kertas 3</u> 30 minit (30 markah) Kefahaman Mendengar Soalan MCQ</p>	<p><u>Kertas 1</u> Kamu perlu meneliti Stimulus Grafik yang diberi dan menjawab dengan teliti mengikut kehendak soalan</p> <p><u>Kertas 3</u> Kamu perlu mendengar dengan teliti dan menjawab semua soalan.</p> <p>Petikan akan dibacakan dua kali</p>	<ul style="list-style-type: none"> • SEMUA soalan perlu dijawab • Kamu perlu membawa pensel 2B untuk menjawab soalan berbentuk MCQ Kertas 3
Mother Tongue : Malay Language	Selected student who take NA papers	<p><u>Kertas 1: Penulisan</u> 2 jam (60 markah) Bahagian A (20 markah) Penulisan Fungsional</p> <ul style="list-style-type: none"> • E-mel Tidak Formal; atau • E-mel Formal) <p>Bahagian B (40markah) Penulisan esei</p> <ul style="list-style-type: none"> • Deskriptif; • Ekspositori; atau • Naratif <p><u>Kertas 2</u> Bahasa dan Pemahaman 1 jam 30 minit (70markah)</p>	<p><u>Kertas 1</u> Bahagian A</p> <ul style="list-style-type: none"> • Pelajar harus menjawab satu soalan e-mel • Karangan harus sekurang-kurangnya 100 patah perkataan • Pelajar dikehendaki menulis respons kepada e-mel peribadi <p>Bahagian B</p> <ul style="list-style-type: none"> • Pelajar harus menjawab satu soalan penulisan esei • Karangan harus sekurang-kurangnya 240 patah perkataan. <p><u>Kertas 2</u> Bahagian A Imbuhan, Peribahasa, Prosedur Kloze</p>	<p><u>Kertas 1</u></p> <ul style="list-style-type: none"> • Pelajar harus membiasakan diri dengan format penulisan e-mel • Pelajar digalakkan membawa masuk kamus eka-bahasa yang diluluskan oleh kementerian. Kamus tersebut harus mempunyai cop sekolah dan tandatangan guru. <p><u>Kertas 2</u></p>

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