

Gan Eng Seng School
End-of-Year Examination 2018
Year 3 Normal Academic

| Subject | Format | Topics | Duration |
|----------------------------------|--|--|------------|
| English Language (1190) | PAPER ONE [70] - 35% Writing Section A: Editing [10] Candidates identify and edit grammatical errors in a short written text. Section B: Situational Writing [30] Candidates write 180–250 words on a given situation which will involve viewing a visual text. Section C: Continuous Writing [30] Candidates write 250–400 words on one of four topics set. | Modules covered in Sec One and Sec Two Sec Three Modules: Fame & Celebrity Poverty & Affluence Nature & Environment Conflict & Prejudice | 1 h 50 min |
| | PAPER TWO [50] - 35% Comprehension Section A [5] Candidates respond to questions based on Text 1, a visual text. Section B [20] Candidates respond to a variety of questions based on Text 2, which is a narrative or a recount. Section C [25] Candidates respond to a variety of questions based on Text 3, a non-narrative text, and write an 80-word response to a summary writing task. | | 1 h 50 min |
| | PAPER THREE [30] - 10% Listening Section A [24] Candidates respond to a variety of listening tasks based on a number of audio recordings, which candidates will hear twice. Section B [6] Candidates listen to an audio recording and do a simple note-taking exercise. Candidates will hear the recording only once. | | 45 min |
| | PAPER FOUR [30] - 20% Oral Tasks in Semester 2 | | 20 min |
| Mathematics (4045) | Paper 1: [50 Marks] About 16 – 18 short answer questions. Candidates are to answer ALL questions. The questions include 5-6 marks questions assessing the mathematical processes of reasoning, communication, connections, modelling and higher order thinking skills. Such questions will appear in Paper 1 or Paper 2. | Chapter 1 Indices Chapter 2 Algebraic Manipulation Chapter 3 Quadratic Equations Chapter 4 Congruency and Similarity Chapter 5 Coordinate Geometry Chapter 6 Trigo ratio of acute angles Chapter 7 Sine Rule and Cosine Rule Chapter 8 Graph of quadratic functions Chapter 9 Graphs Of Power Functions And Exponential Functions Include Sec 1/2 topics: Factors and Multiples Angles | 1 h 30 min |
| | Paper 2: [50 Marks] About 8 – 10 long answer questions testing more on higher order thinking skills. Candidates are to answer ALL questions. The last question of 7-8 marks in this section focuses specifically on applying mathematics to a real-world scenario. | Area and Perimeter Volume and Surface Area of Prisms, Pyramids, and Sphere Coordinates and Linear function Simultaneous linear equations Expansion and factorization Ratio/Rate Percentage Speed/Distance/Time Money Statistics Map and Scale Probability Number Pattern | 1 h 30 min |
| Additional Mathematics (4044) | [80 Marks] About 10 – 12 questions of varying marks and lengths. Candidates are to answer ALL questions. The last question of 6-8 marks in this paper focusses specifically on applying mathematics to a real-world scenario mathematics to a real-world scenario. | Chapter 1 Equations and Inequalities Chapter 2 Surds and Indices (Exclude 2.4) Chapter 3 Polynomials and Partial Fractions (Exclude 3.6) Chapter 5 Binomial Theorem Chapter 6 Points, Lines and Shapes Chapter 9 Parabolas and Circles Chapter 11 Trigonometric Functions | 2 h |
| Social Studies (2175/2176/01) | Syllabus: 2175/01 (SS+Geography) OR 2176/01 (SS+History) Paper 1: (50%) Section A (35m) Candidates are to answer all 5 questions. Section B (15m) Candidates are to answer BOTH part (a) and part (b) of ONE question. | Section A: Source-Based Case Study (SBCS) Skills tested: 1. Inference 2. Comparison 3. Reliability 4. Inference Section B: Structured-Response Questions Issues tested: 1. Exploring Citizenship and Governance 2. Living in a Diverse Society (Ch 4.5 &6) | 1 h 45 min |
| Geography (2175/02) | Syllabus: 2175/02 (50%) Total: 50 marks Structured Essay Questions - Candidates are to answer both questions (2 x 25m each) | Topics: 1) Living with Tectonic Hazards 2) Variable Weather and Climate | 1 h 40 min |
| History (2176/02) | Syllabus: 2176/02 (50%) Section A (30m) Candidates are to answer all questions. Section B (20m) Candidates are to answer one question. | Section A: Source-based Case Study Hitler's Germany Section B: Structured-essay Chapters 2-6 | 1 h 40 min |
| Design & Technology (7054) | PAPER 1: WRITTEN PAPER [70] - Part A: DESIGN [28 mark of the total marks of the Paper 1] Five questions requiring short answers. Candidates are to answer all questions. - Part B: TECHNOLOGIES [42 mark of the total marks of the Paper 1] Candidates are required to answer two out of three questions PAPER 2: COURSEWORK [140] Weighage: PAPER 1 - 30% PAPER 2 - 70% | Part A: 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 Part B: Item testing on 3 technological areas: - Structures, - Mechanisms and - Electronics | 1 h 30 min |
| Food & Nutrition (6072) | Paper 1 – Written Paper . This will test candidates' knowledge of theory and practice in response to the assessment objectives. Candidates are to answer all questions in Sections A and B. Candidates are to answer two questions in Section C consisting of a compulsory question and either part (a) or (b) of the final question. Section A: consisting of short answer type questions (20 marks) Section B: consisting of data-response questions (28 marks) Section C: consisting of open-ended type questions (32 marks) Paper 2 - Coursework Candidates will be given an assignment study which will require the candidates to apply their knowledge and understanding in relation to the subject content. Assessment will focus on the analysis of the given assignment; the ability to select and identify relevant information related to the assignment; the planning and execution of the task and the ability to review the processes pertaining to the execution of the task. | Chapter 1 Energy from food Chapter 2 Guidelines for meal planning Chapter 3 Different types of meal planning Chapter 4 Carbohydrates Chapter 5 Cereals Chapter 6 Fats Chapter 7 Proteins Chapter 8 Meat and alternatives Chapter 10 Vitamins Chapter 11 Minerals Chapter 12 Water and dietary fibre Chapter 13 Fruits and vegetables Chapter 17 Keeping food safe Chapter 18 Convenience food | 1 h 30 min |
| Art (6125) | Paper 2: Drawing and Painting [100m] Weighting: 30% Candidates will: - Respond to one of the six themes given - Submit preparatory studies based on given requirements | Not Applicable | 3 h |
| Science (Physics) | Paper 1: 20 compulsory multiple choice questions [20 marks] Weighting: 40% | 1. Physical Quantities, Units and Measurement 2. Kinematics 3. Dynamics 4. Mass, Weight and Density 5. Turning Effect of Forces | 1 h 15 min |

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| (5105) | Paper 2: Structured and Free Response (Physics) [30 marks] Weighting: 60% Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions. | 6. Pressure 7. Energy, Work and Power 8. Kinetic Model of Matter 9. Transfer of Thermal Energy 10. Thermal Properties of Matter | |
| Science (Chemistry) (5105/5107) | Paper 3: 20 compulsory multiple choice questions [20 marks] Weighting: 40% | | 1 h 15 min |
| | Paper 4: Structured and Free Response (Chemistry) [30 marks] Weighting: 60% Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions. | 1. Experimental Chemistry 2. The Particulate Nature of Matter 3. Formulae and Equations 4. Acids, Bases & Salts 5. The Periodic Table 6. Metals | |
| Science (Biology) (5107) | Paper 5: 20 compulsory multiple choice questions [20 marks] Weighting: 40% | | 1 h 15 min |
| | Paper 6: Structured and Free Response (Biology) [30 marks] Weighting: 60% Section A will carry 14 marks and will contain a small number of compulsory structured questions. Section B will carry 16 marks and will contain three structured questions. Candidates are to answer only two out of these three questions. | 1. Cell Structure and Organisation 2. Movement of Substances 3. Biological Molecules (Nutrients & Enzymes) 4. Nutrition in Humans 5. Nutrition in Plants 6. Transport in Flowering Plants 7. Transport in Humans | |
| Principles of Accounts (7088) | Paper 1: [40 Marks] Candidates are to answer 3 to 4 structured questions on the question papers. | | 1 h |
| | Paper 2: [60 Marks] Candidates are to answer 4 structured questions. One question is on the preparation of financial statements. (24 marks) Answers to be written on multi-column papers. | Chapter 1 Introduction to Accounting Chapter 2 The Accounting Information System Chapter 3 Elements of the Financial Statements and the Accounting Equation Chapter 4 The Concept of Double-entry Chapter 5 Special Journals Chapter 6 Cash back and Petty Cash book Chapter 7 Bank Reconciliation Chapter 8 Trial Balance Chapter 9 Income Statement Chapter 10 Balance Sheet Chapter 12 Inventory Chapter 13 Non current assets Chapter 19 Income Statement Balance Sheet | 2 h |
| Chinese Language* (1196) | Paper 1: 电邮 (20分), 作文 (40分) | Not Applicable | 2 h |
| | Paper 2: 综合填空 (10分), 阅读理解一 (20分), 阅读理解二 (30分) | Not Applicable | 1 h 30 min |
| | Paper 3: 听力 (20分) | Not Applicable | 30 min / 15 min |
| Chinese Language Syllabus B* (1153) | Paper 1: 电邮看图作文 (20分) | Not Applicable | 50 min |
| | Paper 2: 语文应用 (10分), 阅读理解一 (10分), 阅读理解二 (10分) | Not Applicable | 1 h |
| | Paper 3: 听力 (20分), 口试 (30分) | Not Applicable | 30 min / 15 min |
| Malay Language* (1197) | Paper 1: Bahagian A (20marks): E-mel rasmi dan tidak rasmi. Bahagian B (40marks): deskriptif/naratif/ekspositor/sambung cerita/Perbincangan(argumentatif) | Not Applicable | 2 h |
| | Paper 2: Bahagian A (20marks): Imbuan/peribahasa/prosedur kloz. Bahagian B (10marks): Kef. Objektif. Bahagian C (30marks): Kef. Subjektif | Not Applicable | 1 h 30 min |
| | Paper 3: Kefahaman Mendengar (20marks) | Not Applicable | 30 min / 15 min |
| Tamil Language* (1198) | Paper 1: மின்னஞ்சல் (20marks), கட்டுரை (40marks) | Not Applicable | 2 h |
| | Paper 2: மரபு (5marks), கருத்துமொழி (10marks), அமைப்பு (5marks), ஒத்திப்பு (10marks), சுயவினா (30marks) | Not Applicable | 1 h 30 min |
| | Paper 3: கேட்டல் (20marks) | Not Applicable | 30 min / 15 min |

* The total marks will be converted into 100%