

Juying Secondary School  
**SEC 4/5 MID-YEAR EXAMINATION 2022**  
**TOPICS FOR ASSESSMENT**



SECONDARY 5 NORMAL (ACADEMIC)		
SUBJECT	TOPICS / COMPONENT	FORMAT / DURATION
A MATH	Chap 1 - Quadratic Functions Chap 2 - Equations & Inequalities Chap 3 - Surds Chap 4 - Polynomials, Cubic equations & Partial Fractions Chap 5 - Binomial Theorem and its Applications Chap 6 - Exponential and Logarithmic Functions (EXCLUDE 6.5) Chap 7 - Coordinate Geometry Chap 9 - Trigonometric Functions & Graphs Chap 10 - Trigonometric Equations & Identities Chap 11 - Gradients, Derivatives & Differentiation Techniques Chap 12 - Application of Differentiation Chap 13 - Differentiation of Trigo, Expo and Log and their Applications Chap 14 - Integration	P1: 2h 15min P2: 2h 15min
CL	O Level: P1: Email & Essay Writing P2: Cloze Passage, Comprehension (MCQ) & Comprehension (Q&A) P3: LC	P1: 2hr P2: 1hr 30min P3: LC 30min P3 Oral 15min
CLB	O Level: P1: Email or Essay Writing P2: Cloze Passages & Comprehension (MCQ) P3: LC	P1: 50hr P2: 1hr P3: LC 30min P3 Oral 15min
D&T	Design, Structure, Mechanism and Electronics	2 hrs
EL	Paper 1 & 2 (All text types and corresponding questions/skills will be examined) Paper 3 Listening Comprehension	<b>P1:</b> 1 hr 50 min <b>P2:</b> 1 hr 50 min <b>P3:</b> 50 min
GEO (ELECT)	Section A - Weather & Climate GI (13m) Section B - Weather & Climate Gateway 1 (12m) Section C - Tectonic Hazards & Food Resources Gateway 1 (25m)	Total: 50 marks Duration: 1h 40min
HIST (ELECT)	Section A: Source-Based Questions (30m) Section B: Structured Essay Questions (20m) Tested Chapters: Unit 2 Chapters 1, 2, 3, 6 & 7 Unit 3 Chapters 1, 4	1 hr 40 mins
MA	All topics in the O level syllabus <b>except</b> - Vectors - Number Patterns - Kinematics (Distance-Speed-Time graphs) - Construction	P1: 2 hours P2: 2 hours 30 minutes
ML	O Level: P1: Email & Essay Writing P2: Affixes, Proverbs, Cloze Passage, Comprehension (MCQ) & Comprehension (Q&A) P3: LC P4: Oral (Reading and Conversation)	P1: 2hr P2: 1hr 30min P3: LC 30min P4 Oral 15min
POA	Chapters 1 to 12; Chapters 14 to 16. (Section 11.6 and 11.7 of Chapter 11 will not be tested.)	P1: 1 hr P2: 2 hr
SC(BIO)	Chapter 1: Cell Structure and organisation Chapter 2: Movement of Substances Chapter 3: Biological Molecules Chapter 4: Enzymes Chapter 9: Coordination & Control (Nervous System, The Eye & Endocrine Glands) Chapter 11: Molecular Genetics Chapter 12: Inheritance Chapter 13: Organisms and their Environments (Parts 1 and 2)	<b>P1:</b> (20 Chem MCQ, 20 Bio MCQ, Total: 40 m) <b>P4:</b> 1hr 15 min Section A: 8 structured questions (compulsory) Section B: Answer 2 out of 3 questions. Total: 65 m
SC(CHEM)	Chapter 1 to 15	<b>P1:</b> 1 hr (20 Chem MCQ, 20 Bio/Phy MCQ, Total: 40 m) <b>P3:</b> 1 hr 15 min (Structured Qns: 65m)
SC(PHY)	Chapter 1: Measurements Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Mass, Weight & Density Chapter 5: Turning Effect of Forces (Moments) Chapter 7: Energy Chapter 10: Light Chapter 11: General Wave Properties Chapter 12: EM Waves Chapter 13: Sound Chapter 14: Static Electricity Chapter 15: Current Electricity Chapter 16: D.C. Circuits Chapter 18: Electromagnetism	<b>P1:</b> 1 hr (20 Chem MCQ, 20 Phy MCQ, Total: 40 m) <b>P2:</b> 1 hr 15 min (Structured Qns: 65m)
SS	Section A: Source-Based Questions (35m) Section B: Structured Essay Questions (15m)	1 hr 45 min