

MASTERMIND

ENGLISH MEDIUM SCHOOL

SYLLABUS FOR FINAL EXAM. (2021–2022)

CLASS – VIII (CAMBRIDGE)

SUBJECT : ENGLISH LANGUAGE

- Books:**
- (i) New English Third by – Rhodri Jones
 - (ii) Oxford Secondary English Book-2 by – John Seely
 - (iii) Intermediate English Grammar (5th Edition) by – Raymond Murphy
 - (iv) English Dictionary by – Collins Gems

PAPER 1: READING

Section A: Comprehension and Use of Language

Candidates read Text A, a narrative passage, before answering questions 1 and 2.

Question 1, Comprehension Task: Candidates respond to a series of sub-questions based on Text A. These are short answers testing both explicit and implicit meanings.

Question 2, Use of Language task: Candidates respond to a series of sub-questions on Text A. These are short answers relating to the author's use of language and the effect this has.

Section B: Summary and Short response

Candidates read Text B before answering question 3.

Question 3a, Summary task: Candidates answer a summary task in response to Text B. Candidates write a summary as continuous writing.

Question 3b, Short response task: Candidates give a short response to show understanding of implicit meanings and attitudes in response to Text B.

PAPER 2: WRITING

Section A: Directed Writing

Candidates answer one compulsory question. Candidates read one or two texts. They use, develop and evaluate the information in the text(s) to create a discursive/argumentative/persuasive speech or article.

Section B: Composition

Candidates answer one question from a choice of four: two descriptive and two narratives. Candidates develop and write a composition.

Descriptive: A descriptive piece of writing describes a person, place or situation (including atmosphere) in detail so that the reader can picture it.

Narrative: A narrative piece of writing tells a story containing a sequence of connected events which may be real or imaginary.

SUBJECT : MATHEMATICS (SYLLABUS – D) 4024**BOOK: Mathematics – 2 by Shinglee**

Chap- 3: Scales and Maps

Chap- 4: Symmetry and Angle Properties of Polygons

[Ex- 4c, 4d, 4f]

Chap- 10: Graphs of Quadratic Functions

☞ Basic Algebra and Arithmetic

Chap- 11: Motions Geometry

Chap- 12: Pythagoras' theorem

Chap- 13: Mensuration

Chap- 15: Trigonometrical Ratios

SUBJECT : BANGLA**BOOKS**

১। সাহিত্য কণিকা (অষ্টম শ্রেণি)

২। ভাষা সৌরভ ব্যাকরণ ও রচনা (নতুন সংস্করণ) দশম শ্রেণি- মাহবুবুল আলম

৩। বিদ্যাকোষ (নবম শ্রেণি)- ড. আবুল কালাম মনজুর মোরশেদ

Bangla Literature

☞ গদ্য / গল্প

১। অতিথির স্মৃতি- শরৎচন্দ্র চট্টোপাধ্যায়

২। পড়ে পাওয়া- বিভূতিভূষণ বন্দ্যোপাধ্যায়

৩। বাংলা নববর্ষ - শামসুজ্জামান খান

☞ পদ্য / কবিতা

১। আবার আসিব ফিরে - জীবনানন্দ দাস

২। নদীর স্বপ্ন - বুদ্ধদেব বসু

৩। পাছে লোকে কিছু বলে- কামিনী বায়

* শব্দার্থ * ইংরেজি পরিভাষিক শব্দ

* সারাংশ * মূলভাব * বড় প্রঃ উঃ * সংক্ষিপ্ত প্রঃ উঃ

* ব্যাখ্যা * বুঝিয়ে বল * কবি ও লেখক পরিচিতি * অনুচ্ছেদ

* নামকরণের সার্থকতা।

Bangla Language

১। সমার্থক শব্দ

২। সন্ধি বিচ্ছেদ ও সন্ধি করা

৩। বাক্য সংকোচন

৪। দ্বিগুণ শব্দ

৫। বাগধারা

৬। প্রবাদ প্রবচন

৭। অনুচ্ছেদ (Open)

৮। প্রতিবেদন- ১৫০ শব্দের

৯। রচনা- ২০০ শব্দের

১০। সমোচ্চারিত শব্দ

১১। বাক্য রূপান্তর

(unseen)

SUBJECT : ADDITIONAL MATHEMATICS➤ **BOOK** New Syllabus Additional Mathematics (Seventh Edition) by Lee Peng Yee❖ **Chapter:** Arithmetic Progression and Geometric Progression (*Worksheet to be provided*)❖ **Chapter 4:** Theory of Quadratic Equations and Functions

- Exercises: 4A, 4B, 4C, 4D

❖ **Chapter 11:** Binomial Theorem

- Exercises: 11A, 11B

❖ **Chapter 7:** Circular Measure

- Exercises: 7A, 7B

❖ **Chapter 12:** Limit and Differentiation

- Topics : Gradient of a curve, Gradient Function, Differentiation of $y = ax^n$, where a is a constant and n is an integer or a rational number

- Exercises: 12B, 12C

❖ **Chapter 2:** Simultaneous Equations

- Exercises: 2A, 2B

SUBJECT : PHYSICS**BOOK Cambridge O level Physics By Heather Kennett and Tom Duncan**

- Chap -1.5 The Turning effect of forces
- Chap- 1.6 Momentum
- Chap- 1.7 Energy , work and Power
- Chap-1.8 Pressure
- Chap- 2 Thermal Physics

SUBJECT : CHEMISTRY**BOOK Chemistry Matters**

- Chapter 7: Covalent and Metallic Bonding
- Chapter 8: Writing Equation
- Chapter 11: Acid- Base
- Chapter 12: Salts
- Chapter 16: Periodic Table

SUBJECT : BIOLOGY**BOOK 'A Course for O level' by Lam Peng Kwan and Eric Y K Lam**

- Chapter -2: Classification
- Chapter -8: Transport in Mammals
- Chapter -9: Transport of Materials in Flowering Plants
- Chapter -10: Respiration
- Review Chapters:
- Chapter- 6: Nutrition in mammals
- Chapter- 7: Nutrition in Plants

SUBJECT : ACCOUNTING**BOOK Business Accounting – 1 by Frank Wood & Alan Sangster**

1. Cash books
2. The analytical petty cash book and the imprest system
3. Accounting for sales
4. Accounting for purchases
5. Accounting for returns
6. The journal
7. Bad debts, allowances for doubtful debts, and provisions for discounts on accounts receivable
8. Statements of profit or loss and statements of financial position: further considerations

SUBJECT : COMPUTER SCIENCE**BOOK Cambridge I GCSE™ and 0 Level Computer science (Second Edition)**

-(David Watson, Helen Williams)

THEORETICAL:

1. Chapter - 3: Hardware
 - 3.3 - Data storage
2. Chapter -4: Software
 - 4.1- Types of software and interrupts
3. Chapter -5: The Internet and its uses
 - 5.1- The internet and the World Wide Web (WWW)
 - 5.2- Digital currency

- 5.3- Cyber security
4. Chapter - 6: Automated and emerging technologies

- 6.1-Automated systems

• **Practical:**

- Microsoft Access

SUBJECT : ECONOMICS

BOOK Cambridge IGCSE and O level Economics by Susan grant (second edition)

SECTION – 2 : **Allocation of Resources**

Chapter- 11: Price elasticity of demand

Chapter- 12: Price elasticity of supply

Chapter- 13: Market economic system

Chapter- 14: Market failure

Chapter- 15: Mixed economic system

SECTION – 3 : **Microeconomic decision makers**

Chapter- 16: Money and banking

Chapter- 17: Households