

MASTERMIND

ENGLISH MEDIUM SCHOOL

SYLLABUS FOR FINAL EXAM. (2021-2022)

CLASS – VIII (EDEXCEL)

SUBJECT : ENGLISH LANGUAGE

BOOKS I. NEW ENGLISH THIRD BY RHODRI JONES (HEINEMANN)
 II. OXFORD SECONDARY ENGLISH 2 -JOHN SEELEY
 III. INTERMEDIATE ENGLISH GRAMMAR 4TH EDITION - RAYMOND MURPHY
 IV. ENGLISH DICTIONARY - COLLINS GEM
 V. EDEXCEL INTERNATIONAL GCSE (9-1) -ENGLISH LANGUAGE B- STUDENT BOOK- ROGER ADDISON, SAMANTHA BRUNNER, DAVID FOSTER, PETER INSON, ROBERT O'BRIEN, PAM TAYLOR

❑ Section – A: Comprehension (Unseen)

❑ Section – B: Directed Writing (Unseen)

◆ Students are required to select relevant information from the stimulus material and present it in a recognized form of writing, such as, letters, speech, articles, leaflets, diary and others.

❑ Section – C: Creative Writing (Unseen)

◆ Students are required to produce one piece of extended writing using their own creativity, imagination, ideas and perception. This may be narrative, descriptive, argumentative or discursive.

SUBJECT : MATHEMATICS - B

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

Chap- 11: Motions Geometry

Chap- 12: Pythagoras' theorem

Chap- 13: Mensuration

Chap- 15: Trigonometrical Ratios

☑ Basic Algebra and Arithmetic

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	Bangla Language
☑ গদ্য /গল্প	১। সমার্থক শব্দ
১। অতিথির স্মৃতি-শরৎচন্দ্র চট্টোপাধ্যায়	২। সমোচ্চারিত শব্দ
২। পড়ে পাওয়া- বিভূতিভূষণ বন্দ্যোপাধ্যায়	৩। বাক্য সংকোচন
৩। বাংলা নববর্ষ - শামসুজ্জামান খান	৪। দ্বিরুক্ত শব্দ
☑ পদ্য / কবিতা	৫। বাগধারা
১। আবার আসিব ফিরে - জীবনানন্দ দাস	৬। প্রবাদ প্রবচন
২। নদীর স্বপ্ন - বুদ্ধদেব বসু	৭। পরিভাষা (English to Bangla)
৩। পাছে লোকে কিছু বলে- কামিনী বায়	৮। অনুবাদ (English to Bangla)
	৯। e-mail/ই-মেইল ১৫০ শব্দের
	১০। রচনা- ২০০ শব্দের
	১১। অনুচ্ছেদ
* শব্দার্থ	* ইংরেজি পরিভাষিক শব্দ
* সারার্থ	* মূলভাব
	* বড় প্রঃ উঃ
	* সংক্ষিপ্ত প্রঃ উঃ

SUBJECT : FURTHER PURE MATHEMATICS

BOOK: Pure Mathematics by– Lee Peng Yee

Chapter – 3: Sequences, Arithmetic and Geometric Progressions (with sigma notation)

- ◆ Ex- 3a, 3b, 3c, 3d and sigma notation worksheet

Chapter – 4: Theory of Quadratic Equations and Functions

- ◆ Ex- 4a, 4b, 4c and 4d

Chapter – 5: The Binomial Theorem

- ◆ Ex- 5a, 5b and worksheet on fraction and negative power problems (to be provided)

Chapter – 11: Limits and Differentiation

- ◆ Topic: 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
- ◆ Ex- 11b and 11c

Chapter – 1: Simultaneous Equations

- ◆ Ex- 1a

SUBJECT : PHYSICS

BOOK: IGCSE Student Book (Brian Arnold, Penny Johnson)

Chapter – 5: The turning effect of forces

Chapter – 14: Energy Transfers

Chapter – 15: Thermal Energy

Chapter – 16: Work, Energy and Power

Chapter – 17: Energy Resources & Electricity Generation

Chapter – 18: Density and Pressure

SUBJECT : CHEMISTRY

BOOK: Edexcel IGCSE Chemistry (Student Book) by Jim Clark

Chapter – 5: Formulae and Equation

Chapter– 14: The Reactivity Series

Chapter – 8: Covalent Bonding

Chapter– 11: Alkali Metals

Chapter– 12: The Halogens

SUBJECT : BIOLOGY

BOOKS: Edexcel IGCSE Biology, Student Book by –Phil Bradfield and Steve Potter

SECTION – B : (Animal Physiology)

- Chapter – 5: Blood and Circulation
- Chapter – 7: Chemical Coordination
- Chapter- 11: Transport in Plants
- Chapter- 12: Chemical Coordination in Plants

REVISION CHAPTER –

- Chapter-3: Breathing & Gas Exchange
- Chapter-4: Food and Digestion

SUBJECT : ECONOMICS

BOOK: Student Book, Edexcel IGCSE, Economics – Rob Jones

1.2 The market system

- Chapter-10 Income elasticity
- Chapter– 11 The Mixed Economy
- Chapter– 12 Privatization
- Chapter– 13 Externalities

1.2 Business Economics

- Chapter– 14 The factors of production and sectors of the economy
- Chapter– 15 Productivity and Division of Labour
- Chapter– 16 Business Cost, Revenues and Profit
- Chapter– 17 Economics & Diseconomies of scale
- Chapter– 18 Competitive Market

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 Pearson Edexcel International GCSE (9-1) Computer Science Student Book
[By- David Waller, Chris Charles, Pete Dring, Alex Hadwen-Bennett, Jason Welch, Shaun Whorton]

A. THEORETICAL:**1. Unit– 5:** Communication and the internet

- Ch-21: Networks
- Ch-22: Network security
- Ch-23: The internet and the world wide web

2. Unit– 6: The bigger picture

- Ch-24: Computing and the environmental impact of technology
- Ch-25: Privacy
- Ch-26: Digital inclusion
- Ch-27: Professionalism
- Ch-28: Computing and the legal impact of technology
- Ch-29: Current and the emerging trends

B. PRACTICAL: Microsoft Access (As done in the class)