

The Mama Parsi Girls' Secondary School
Cambridge Section
Second Term Syllabus 2022 (Class X-Science)

English Language

January/February:

- Persuasive Writing
- Argumentative/Report Writing
- Ex. Idioms
- Comprehension Passages

March:

- Argumentative Writing
- Account Writing
- Vocabulary exercises
- Comprehension Passages

April: Revision

May: annual examinations

English Literature

BOOKS PRESCRIBED: Twelfth Night, Stories of Ourselves vol. 2, Songs of Ourselves vol.2 part 4,

NOTE: Students **must** have read the novel/ short stories and the play at least once before the start of the term.

JAN '22 Short Story: no. 29 Marghanita Laski, 'The Tower' No. 31 Janet Frame, 'The Reservoir'

Poem: Robert Browning, 'Love in a Life' Lauris Edmond, 'Waterfall'

FEB '22 Short Story: no. 32 Langston Hughes, 'Thank You M'am' no. 41 Anjana Appachana, 'Sharmaji'

Poem: Percy Bysshe Shelley, 'Stanzas Written in Dejection, Near Naples'

MAR '22 Short Story: no. 43 Yiyun Li, 'A Thousand Years of Good Prayers' no. 44 Segun Afolabi, 'Mrs Mahmood'

Poem: Elinor Morton Wylie, 'Now Let No Charitable Hope' APR '22

Revision (prose, poetry & play)

MAY '22 ANNUAL EXAMINATION

(For a better understanding, first reading of the entire course is suggested during the summer break)

Mathematics

Book: New Syllabus Mathematics Book 2, 3 and 4 (7th Edition)

January: Chapter 7 Functions and Relations (Book 2)

Chapter 2 Further Functions (Book 3)

Chapter 5 Matrices (Book 4)

February: Chapter 7 Graphical Functions and Graphical Solutions

Chapter 4 Statistical Data Analysis (Book 4: 4.1 & 4.2)

March: Chapter 8 Loci (Book 4)

:April: Revision and Annual Examination

Additional Mathematics

JANUARY	CH 8 Circular Measures
FEBRUARY	CH 9 Trigonometry
MARCH	CH 11 Series CH 10 PERMUTATION AND COMBINATION
APRIL	REVISION ANNUAL EXAMINATION
MAY	CAIE

Biology

Books prescribed 1. 'A Course book for O' Level by Lam Peng

2. Biology : D.G.Mackean

JANUARY 2022

TOPICS

1. Ecology
2. Effects of human activity on Ecosystem
3. Diseases and immunity

FEBRUARY 2022

4. Microorganism and Biotechnology
5. Coordination and response in plants

MARCH 2022

(Mock and Annual Examination)

APRIL2022

(Revision)

MAY 2022

C.A.I.E .Examination

Physics

January:

Forces

- Turning effect of forces
- Centre of gravity
- Elastic deformation
- Momentum

February:

Energy, work and power

- Energy
- Work
- Energy resources
- Efficiency
- Power

Pressure

March: Revision and **Mock and Annual Examination**

April:

Earth and the Solar System

- The Earth
- The Solar System

May: **CAIE Examination**

Chemistry

January 2022

6. Chemical Reactions

6.1 Physical and chemical changes

6.2 Rate of the reaction

February 2022

6.3 Reversible reactions and Equilibrium

March 2022

Mock and Annual Examination

April 2022

Revision

May 2022

CAIE Examination 2022

Name of the book

Author's Name

Text Book

Chemistry Matters

Tin Yan Toon

Reference Books

- | | |
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| 1. Chemistry 'A course of O level' | Christopher. N. Prescott |
| 2. Fundamental Chemistry for Cambridge | Gallagher Ingram |
| 3. Chemistry for Cambridge o level | Derek Mc Monagle |

Geography

Books prescribed: The Environment of Pakistan-Huma Naz Sethi

Syllabus for Second Term:

January Transport and Communication.

Map Work.

February Population in Pakistan.

March Revision.

Mock Examination.

April Revision from Past Papers.

May O' level Examination.

History

Books prescribed:

1. The History and Culture of Pakistan
(New Edition) Nigel Kelly
2. Pakistan
A Historical and Contemporary Look
(Revised Edition) Farooq Naseem Bajwa
3. Pakistan-History,Culture and Governments
Oxford Nigel Smith

January 2022 : Governments of Pakistan (1988-99)

Pakistan's role in the International World

February : Revision of entire CAIE syllabus (IX and X)

March : **MOCK Examinations**

April : **CAIE Examinations**

Computer Science

Book Prescribed: Cambridge IGCSE Computer Science Course book

David Watson and Helen William (Second Edition) Past Papers

PAPER -I

January: Unit Logic gates and Logic circuits

- Introduction
- Logic gate symbols
- Truth Tables
- The functions of the logic gates
- NOR,AND,OR,NOT,
NAND and XOR

February:

- Design Logic Circuits
- **Unit :Operating System and
Computer architecture**
- Introduction
- Operating system
- Interrupts and Buffer
- Computer architecture

March:

- Von Neumann architecture
- The Fetch-execute cycle
- **Unit: Memory and data storage**
- File Formats
- Musical Instrument Digital Instrument
- MPEG-3 and MPEG-4
- Joint Photographic Experts Group (Jpeg)
- Lossless file and Lossy file compression

April:

- Primary memory

- Secondary storage
- Revisions
- Past Paper Problems

May:

- Final Examinations

PAPER -II

January:

- Library routines
- Sub routines
- Test Data

February:

- Validation and Verification
- Using Trace Tables
- Identifying and correcting errors

March:

- Conditional Statements
- IF-THEN-ELSE-ENDIF
- CASE--OF--OTHERWISE--ENDCASE
- FOR--TO--NEXT

April:

- Conditional Programming
- Designing Vb Forms
- Reports

May:

- Revision
- Quiz

Urdu

BOOK PRESCRIBED: GUL HA E URDU

URDU O LEVEL SYLLABUS A

MURATTIB O MUALLIF

MUJEEB UR REHMAN

January : prose: Lahore ka Jughrafia (Patras Bukhari)

Lang : Bayan , Tafheem

February: Poetry :Hyder Ali Aatish (Ghazal no. 1 & 2)

Lang: Daleel , Unseen passage

March : Annual Examination (Mock)

April : Poetry: Tulo e Islam

May : C.A.I. E

Islamiat

Books Prescribed: Cambridge O Level Islamiyat [Dr. Saqib Muhammad Khan],
An Introduction to Islamiyat-History , Beliefs and Practices [Nighat Farooq
Bajwa]

JANUARY Revision Paper 2

- The History & Importance of Hadith
- Articles of Faith (Tauheed, God's Predestination& Decree)
- Pillars of Islam (Zakat, Fasting, Shahadah)
- Hadith no. 11-20
- Test

FEBRUARY Revision Paper 1

- Ten Blessed Companions
- Prominent Companions of the Prophet
- Mothers of the Faithful
- Prophet's Behaviour Towards Others
- Test

MARCH Revision Paper 1

- Relations in the Contemporary World
- Status of Women in Islam
- MOCK EXAM

APRIL

- Past Papers

MAY

CAIE EXAMINATION