

City Montessori School, Lucknow

Syllabus 2024-2025

Class X

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NOTE:

Please refer to ICSE Council Syllabus and Scope of Syllabus 2025 for further reference.

AIMS AND OBJECTIVES

MORAL EDUCATION:

1. To develop in every student the essential elements of morality.
2. To develop the values and capabilities necessary for making right decisions and upright conduct.
3. To develop in them the attitude of open mindedness, to appreciate and be ready to accept others and to act constructively not defensively.
4. To develop the skill of striving not only for good but to handle the conflicting situations without demeaning self and others.
5. To develop the ability to monitor themselves and find out constructive ways of conflict resolutions.
6. To promote the development of good character for the purpose of lessening crime and raising the standard of good citizenship.

ENGLISH:

1. To develop and integrate the use of four language skills i.e. listening, speaking, reading and writing.
2. To enhance the ability of the candidates to express their ideas and feelings in their own words and for them to understand the use of current English.
3. To provide candidates with exposure to good and appropriate literature in English.
4. To develop an interest in the appreciation of literature.
5. To use English effectively and appropriately.

HINDI:

1. To appreciate the language as an effective means of communication.
2. To acquire knowledge of the elements of the language.
3. To develop an interest in the language.
4. To understand the language when spoken at normal conversational speed.
5. To understand the basic structural patterns of the language, vocabulary and constructions.

HISTORY / CIVICS:

1. To provide an understanding of the government necessary for the student to grow into a responsible enlightened citizen in a secular democracy.
2. To enrich the understanding of those aspects of Indian historical development which are crucial to the understanding of contemporary India.
3. To awaken a desirable understanding in pupils of the various streams which have contributed to the development and growth of the Indian nation and its civilization and culture.
4. To develop a world historical perspective of the contributions made by various cultures to the total heritage of mankind.

GEOGRAPHY:

1. To develop an understanding of terms, concepts and principles related to geography.
2. To explain the cause-effect relationships of natural phenomenon.
3. To understand the patterns and processes that affect human response to natural environment.
4. To understand the use of natural resources and development of regions by mankind.
5. To acquire knowledge of and appreciate the interdependence of nations and different regions of the world.
6. To know the availability of resources, understand, explain their uses and appreciate the problems of development.
7. To acquire practical skills related to the meaning and use of maps and their use in the study of geography.

MATHEMATICS:

1. To acquire knowledge and understanding of the terms, symbols, concepts, principles, processes, proofs, etc of mathematics.
2. To develop an understanding of mathematical concepts and their application to further studies in mathematics and science.
3. To develop skills to apply mathematical knowledge to solve real life problems.
4. To develop the necessary skills to work with modern technological devices such as calculators and computers.
5. To develop drawing skills, skills of reading tables, charts and graphs.
6. To develop an interest in mathematics.

PHYSICS:

1. To acquire knowledge of the terms, facts, concepts, definitions, laws, principles and processes of Physics.
2. To develop skills in practical aspects of handling apparatus, recording observations and in drawing diagrams, graphs etc.
3. To develop instrumental, communication and problem solving skills.
4. To discover that there is a living and growing Physics relevant to the modern age in which we live.

CHEMISTRY:

1. To acquire the knowledge of terms, concepts, processes, techniques and principles related to the subject.
2. To develop the ability to apply the knowledge of contents and principles of chemistry in unfamiliar situations.
3. To acquire skills in proper handling of apparatus and chemicals.
4. To develop scientific temper, attitude and problem solving skills.

BIOLOGY:

1. To acquire the knowledge of biological terms, facts, concepts and principles.
2. To develop an understanding of the inter-relationships of animate objects and their environmental adaptations.
3. To develop an understanding of the interdependence of plants and animals; to enable pupils to acquire a clearer comprehension of the significance of life and its importance in human welfare.
4. To understand the capacities and limitations of all the biological activities of man so as to be able to use it for a better quality of life.
5. To acquire the ability to observe specimens minutely, experiment, hypothesise, infer, handle equipment accurately and make correct recordings.

ECONOMICS:

1. To acquire the knowledge of terms, facts, concepts, principles, trends, assumptions etc.
2. To develop familiarity with the basic terminology and elementary ideas of Economics.
3. To acquire knowledge of contemporary economic problems and to appreciate the efforts being made to solve these problems,

Class X

4. To develop an understanding of the nation's physical and human resources and avoiding their misuse.
5. To understand the various economic processes that help in improving our standard of living.
6. To acquire skills in interpreting simple statistical data.

COMMERCIAL STUDIES:

1. To enable students to develop a perceptive, sensitive and critical response to the role of business in a global, national and local context.
2. To allow students to balance the demands of social parameters with individual aspirations.
3. To develop in students an appreciation for the roles of the entrepreneur and the professional manager.
4. To help develop a co-operative attitude through study of the organisation and participation associated with commerce and industry.
5. To provide an appropriate body of knowledge and understanding, and to develop appropriate skills as a basis for further study or work or both.

COMPUTER APPLICATIONS:

1. To enable candidates to understand ethical issues related to the field of computers.
2. To develop an understanding of basic programming concepts and structures.
3. To understand and appreciate the importance of Java as one of the object oriented programming language.
4. To apply the programming concepts in finding the solutions to real life situations by building their own applications.

ENVIRONMENTAL EDUCATION:

1. To develop an understanding of eco-systems and their inter-relations.
2. To develop an awareness about the utilization, and overexploitation of natural resources.
3. To develop skills for effectively tackling problems related to the local environment.
4. To appreciate and respect legal provisions for protection of animals and plants.
5. To imbibe the essence of environmental values and ethics in order to live in harmony with nature.

MORAL EDUCATION FOR CLASS 10

Name of the Textbook: The Pathfinders Book I

Publisher: Royale Publishers

APRIL – SEPTEMBER (First Term)		
Suggested Month	Chapter Number	Page
April - May	Revision of the first five chapters	1-27
July	6 – Rights, Responsibilities and Limits of Freedom	28-34
August	7 – The Mysterious Force that Guides Us	35-41
September	Revision and Discussion	

OCTOBER – MARCH (Second Term)		
Suggested Month	Chapter Number	Page
October	8 – The Duality in Our Nature	42-48
November	9 – Seizing the Moment	49-54
December	Revision and Discussion	

Note: (W) – Written, (O) – Oral (For assembly)	
The Pathfinders Book 1 – Written Work	
For Chapters 1 – 6	
ONLY	<ul style="list-style-type: none"> • Competence Building • Group Activity
Group Activity	The students need to write their views on a sheet of paper and attach in the book for every chapter.
	Theme analysis – For class discussion.

ENGLISH LANGUAGE

Name of the Textbook: Total English for ICSE Class 10
Author: Xavier Pinto, P Pinto & Dr Avanti Nisha
Publisher: Morning Star

Suggested Month	Name of the Topic
April – May	A complete revision of Functional Grammar
	Transformation of Sentences 1 and 2
	Prepositions
	Tenses and Their Uses (1), (2) and Sequence of Tenses
	Synthesis
	Subject Verb Agreement
	Notice and Email
	Test Papers 2 and 3
	Picture Composition
	Formal Letter
	Informal Letter
	Comprehension and Precis Writing
	REVISION
June-July	FIRST COMPARATIVE EXAMINATION
July - August	Test Papers 4 and 5
	Argumentative Composition
	Story Writing
	Formal Letter
	Informal Letter
	Comprehension and Precis Writing
	Notice and Email
	A complete revision of Functional Grammar
September-October	REVISION SECOND COMPARATIVE EXAMINATION
October-November	Descriptive Composition
	Narrative Composition

	Test Papers 6 and 7
	A complete revision of Functional Grammar
	REVISION
	Oral + Aural Project
December	FIRST PRE-BOARD EXAMINATION
January	SECOND PRE-BOARD EXAMINATION
February	THIRD PRE-BOARD EXAMINATION

Note: Please note the following suggestions for a formal letter addressed to 'The Editor'.

- ONLY** Sir / Madam to be written in salutation. Use of 'Dear' should be omitted.
- Subscription to be written as 'Yours truly'.

There will be **two** papers:

Paper I: English Language

Paper II: Literature in English

Each of these papers will be of **two** hours duration.

Paper 1: English Language (80 marks)

Internal Assessment (20 marks)

(Note: Please refer to the Council Syllabus 2025)

Paper I: English Language

Five questions will be set; all of which will be compulsory.

Question 1: Candidates will be required to write a composition (300 – 350 words) from a choice of subjects which will test their ability to describe, narrate, report, explain, persuade or argue, present ideas coherently. - 20 marks

Question 2: Candidates will be required to write a letter from a choice of two subjects requiring either a formal or an informal mode of treatment. - 10 marks

Question 3: Candidates will be given a specific situation and will be required to:

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- (a) Write a notice based on given directions.
(b) Write an email on the same content as the notice. - 10 marks

Question 4: An unseen passage of prose of about 500 words will be given. Uncommon items of vocabulary or structure will be avoided. One question will be set to test vocabulary. Candidates will be required to show that they understand the words / phrases in the context in which they have been used. A number of questions requiring short answers will also be asked on the passage. These questions will test the candidates' ability to understand the explicit content and organization of the passage and to infer information, intentions and attitudes from it.

The last question will consist of a summary of 50 words that will test the candidates' ability to distinguish main ideas from supporting details, to extract salient points to re-express them in the form of a summary of 50 words. - 20 marks

Question 5: There will be a number of short answer questions to test the candidates' knowledge of functional grammar, structure and usage of the language. - 20 marks

INTERNAL ASSESSMENT

Paper I – ENGLISH LANGUAGE

1. Schools will prepare, conduct and record assessments of the **Listening and Speaking Skills** of candidates as follows:

Class IX: Three assessments in the course of the year.

Class X: Two assessments in the course of the year.

2. **Pattern of Assessment.**

- (a) **Listening Skills**

A passage of about 300 words is read aloud by the examiner twice, the first time at normal reading speed (about 110 words a minute) and the next time at a slower speed. Candidates may make brief notes during the readings. They then answer an objective type test based on the passage, on the paper provided.

The recommended number of candidates at a sitting is 30.

- (b) **Speaking Skills**

Each candidate is required to make an oral presentation of about two minutes, which will be followed by a discussion on the subject with the examiners, for about three minutes.

Subjects for presentation may include narrating an experience, providing a description, giving directions how to make or operate something, expressing an opinion, giving a report, relating an anecdote or commenting on a current event.

A candidate may refer to brief notes in the course of the presentation but reading or excessive dependence on notes will be penalised.

It is recommended that candidates be given an hour for preparation of their subject for presentation and that they be given a choice of subject, on a common paper.

Evaluation

The assessment will be conducted jointly by the subject teacher and the external examiner who will each assess the candidate. (The External Examiner may be a teacher nominated by the Head of the School who could be from the faculty **but not teaching the subject in the section / class**. For example, a teacher of English of Class VIII may be deputed to be an External Examiner for Class X).

Award of Marks

Listening Skills : 10 marks

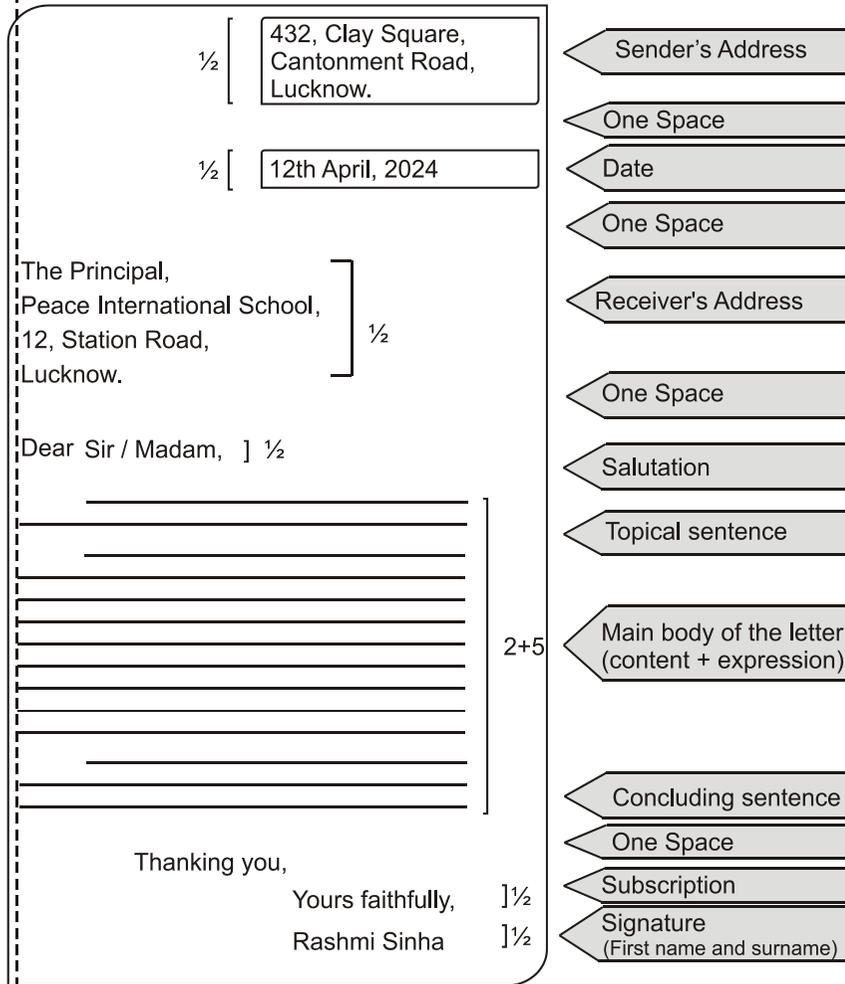
Speaking Skills : 10 marks

The total marks obtained out of 20 are to be sent to the Council by the Head of the school. The Head of the school will be responsible for the entry of marks, on the mark sheets provided by the Council.

Schools are required to maintain a record of all assessments conducted in **Listening and Speaking Skills** for candidates of Class IX and X. These include copies of the assessment tests, topics for presentation and marks awarded. The record will be maintained for a period of 2 months after the ICSE (10) examinations of the candidates concerned.

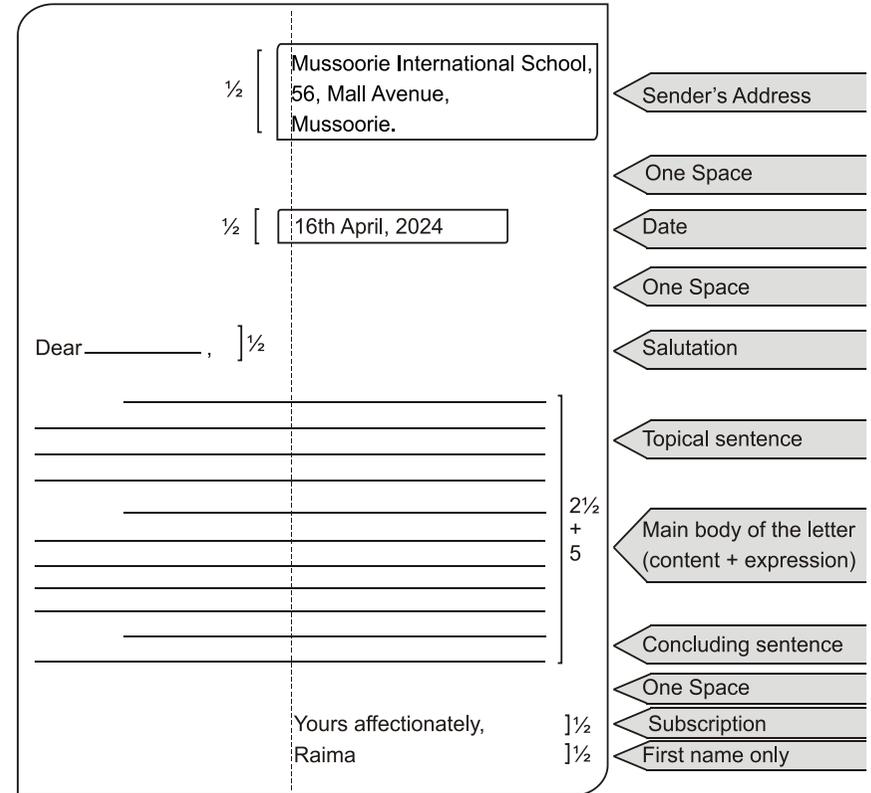
Class X

Format of a Formal Letter (Traditional Format)



Format: 3 Marks
 Content: 2 Marks
 Expression: 5 Marks
 Total: 10 Marks

Format of an Informal letter (Traditional Format)



Format: $2\frac{1}{2}$ Marks
 Content: $2\frac{1}{2}$ Marks
 Expression: 5 Marks
 Total: 10 Marks

Class X

SPECIMEN FOR NOTICE

War of Words [1]
Inter-school Debate Competition [1]
on 8th December 2024 [½]
from 9.00 a.m. to 12 noon [½]
at Centenary Hall, St. Hilda's School [½ + ½]
All pupils from Classes IX & X who wish to participate are to give their names to Mrs. T. Baker on or before 1st December 2024 [1]

SPECIMEN FOR EMAIL

principalbluebellschool@gmail.com [½]
Invitation for the Inter-school Debate Competition [½]
Dear Madam, [½]
This is to inform you that our school is celebrating its 50th anniversary this year. As part of the celebrations we are hosting a series of competitions and we are beginning with 'War of Words', an inter-school debate competition. } Opening Sentence [½]
It will be held on 8th December 2024 from 9.00 a.m. till 12 noon in the Centenary Hall of St. Hilda's School.
Please do send your senior debate team to participate in the event. } Body [2]
The topic will be given to the participants an hour before the start of the competition. They may bring their laptops for use during the preparation time. }
We look forward to your school's participation in the competition. [½]
Thanking you,
Yours faithfully, [½]
Ashish Roy
Debating Secretary

LITERATURE IN ENGLISH

Name of the Textbooks: 1. Julius Caesar
2. Treasure Chest - A Collection of ICSE Poems and Short Stories
Author: William Shakespeare
Publisher: 1. S. Chand & Company (P) Ltd.
2. Evergreen Publications (India) Ltd.

Suggested Month	Name of the Chapter	Page
April-May	Julius Caesar	
	Act III Scene I	262
	Treasure Chest - A Collection of ICSE Poems and Short Stories	
	Haunted Houses (Poem)	37
	The Glove and the Lions (Poem)	40
	With the Photographer (Short Story)	139
	The Elevator (Short Story)	145
	REVISION	
June-July	FIRST COMPARATIVE EXAMINATION	
July-September	Julius Caesar	
	Act III Scene II & III	278
	Act IV Scene I, II & III	296
	Treasure Chest - A Collection of ICSE Poems and Short Stories	
	When Great Trees Fall (Poem)	43
	A Considerable Speck (Poem)	46
	The Girl Who Can (Short Story)	151
	The Pedestrian (Short Story)	159
September-October	REVISION	
	SECOND COMPARATIVE EXAMINATION	

Class X

October- November	Julius Caesar	
	Act V Scene I, II, III, IV, V	322
	Treasure Chest - A Collection of ICSE Poems and Short Stories	
	The Power of Music (Poem)	49
	The Last Lesson (Short Story)	166
	REVISION	
December	FIRST PRE BOARD EXAMINATION	
January	SECOND PRE-BOARD EXAMINATION	
February	THIRD PRE-BOARD EXAMINATION	

PAPER II – Literature in English (80 marks) – 2 hours

Candidates will be required to answer **questions** from at least three of the prescribed textbooks, which include **Drama, Prose and Poetry**. **(Please refer to the Council Syllabus 2025)**

Paper II: Literature in English (80 marks)
Internal Assessment (20 marks)

Internal Assessment

Paper II – Literature in English

Schools will set, assess and record written assignments by the candidates as given below:

Class X: Two or three assignments of reasonable length (not exceeding 1500 words in total).

Assignments should be based on the prescribed textbooks on the following lines:

- Character / thematic analysis
- Socio-economic, cultural, historical relevance / background
- Summary / paraphrase
- Appreciation of literary qualities
- Identifying with a character. Putting oneself in the place of a character in given circumstances and explaining one's actions.
- Imagine alternative outcomes or endings in a literary piece and the effect on all concerned.

हिंदी

Name of Textbook:

- व्याकरण प्रबोध
- साहित्य सागर (A Collection of ICSE Short Stories & Poems)

Publication

फुलमाक्स पब्लिकेशन्स
ऐवरग्रीन पब्लिकेशन्स

Suggested Month	Chapter Number	Name of the Chapter
April- May		(गद्य भाग)
	9	भेड़ें और भेड़िए
		(बात अठन्नी की, महायज्ञ का पुरस्कार, काकी – पुनरावृत्ति)
		(पद्य भाग)
	7	विनय के पद
		(सारखी, कुंडलियाँ, स्वर्ग बना सकते हैं – पुनरावृत्ति)
		निबन्ध – सभी प्रकार के निबंधों का अभ्यास (मौखिक)
		निबन्ध – वर्णनात्मक निबंध (लिखित)
		पत्र – औपचारिक एवं अनौपचारिक
		अपठित गद्यांश का अभ्यास
		व्यावहारिक व्याकरण, परियोजना कार्य
June-July	FIRST COMPARATIVE EXAMINATION	
July - August		(गद्य भाग)
	7, 8	भीड़ में खोया आदमी, संदेह
		(नेताजी का चश्मा, अपना अपना भाग्य – पुनरावृत्ति)
		(पद्य भाग)
	8, 9	चलना हमारा काम है, भिक्षुक (वह जन्म भूमि मेरी – पुनरावृत्ति)
		निबंध – विचारात्मक (पक्ष – विपक्ष)
September		व्यावहारिक व्याकरण
September- October	SECOND COMPARATIVE EXAMINATION	

Class X

October	10	(गद्य भाग) – (दो कलाकार) (बड़े घर की बेटी – पुनरावृत्ति)
		निबंध – सूक्तिपरक – कहानी
		(पद्य भाग)
	10	मातृ मंदिर की ओर (मेघ आए, सूर के पद – पुनरावृत्ति)
November		व्यावहारिक व्याकरण पढ़ाए गए पाठों की पुनरावृत्ति, मॉडल टेस्ट पेपर का अभ्यास
December		FIRST PRE BOARD EXAMINATION
January		SECOND PRE BOARD EXAMINATION
February		THIRD PRE BOARD EXAMINATION

Note:

- There will be one paper of three hours duration carrying 80 marks and **Internal Assessment of 20 marks.** (Project work)
- The paper will be divided into two sections, Section A and Section B.

SECTION A: Language, 40 marks.

Composition	: (15 Marks)
Letter	: (7 Marks)
Comprehension	: (10 Marks)
Grammar	: (8 Marks)

SECTION B: Prescribed Texts: 40 marks. Candidates will be required to answer **FOUR** questions.

- Refer to the Council syllabus 2025 for further details.

Suggestions / Teaching Aids:

- 1- अपठित गद्यांशों के प्रपत्र तैयार कर उनको विद्यार्थियों में वितरित करके विचार-विमर्श किया जा सकता है।
- 2- कक्षा में वार्तालाप के दौरान मुहावरों का प्रयोग करने से उनके अर्थ तथा प्रयोग अधिक स्पष्ट हो सकते हैं।

औपचारिक पत्र (प्रारूप काउन्सिल के अनुरूप)

नोट: दोनों पत्रों में प्रारूप के लिए 2 अंक, विषय-वस्तु के लिए 5 अंक।

प्रेषक का पता	सरस्वती सदन, तिलक पथ, दिल्ली - (पिनकोड)
एक लाइन छोड़ें	
दिनांक	28 मार्च, 2018
एक लाइन छोड़ें	
प्राप्तकर्ता का पता	सेवा में, संपादक महोदय, दैनिक जागरण, राजवीर नगर, दिल्ली - (पिनकोड)
एक लाइन छोड़ें	
संक्षिप्त मूल विषय	विषय: _____
एक लाइन छोड़ें	
सम्बोधन	महोदय/महोदया, सविनय निवेदन है कि _____
प्रारंभिक वाक्य तथा मुख्य कारण	_____। _____। _____। _____। _____।
एक लाइन छोड़ें	
विषय विस्तार	_____। _____। _____। _____।
एक लाइन छोड़ें	
अन्तिम अनुच्छेद	आशा है/अनुरोध है _____। _____।
एक लाइन छोड़ें	
अन्तिम वाक्य	कष्ट के लिए क्षमा कीजिएगा।
एक लाइन छोड़ें	
आभार	धन्यवाद।
एक लाइन छोड़ें	
समापन	भवदीय/भवदीया नाम _____

नोट - विद्यालयी पत्रों में प्रेषक का पता अनिवार्य नहीं है तथा समापन निम्न प्रकार से किया जा सकता है।
आपका आज्ञाकारी / आपकी आज्ञाकारिणी,
नाम - _____
कक्षा - _____ प्रभाग - _____
दिनांक - _____

अनौपचारिक पत्र (प्रारूप काउन्सिल के अनुरूप)

प्रेषक का पता	12, राम निवास, गाँधी पथ, पवई, मुंबई - (पिनकोड)
एक लाइन छोड़ें	
दिनांक	28 मार्च, 2018
एक लाइन छोड़ें	
सम्बोधन	पूज्य/प्रिय,
अभिवादन	संप्रेम नमस्कार।
एक लाइन छोड़ें	
प्रारम्भ	मैं यहाँ _____ _____ _____ _____। _____ _____। _____।
एक लाइन छोड़ें	
मुख्य विषय	_____। _____। _____।
एक लाइन छोड़ें	
समापन	सभी बड़ों को _____। _____।
एक लाइन छोड़ें	
पत्र के अनुरूप	आपका/तुम्हारा नाम _____

HISTORY AND CIVICS

Name of the Textbook: Total History and Civics 10
(Revised Edition)

Author: Dolly Ellen Sequeira

Publisher: Morning Star

Suggested Month	Chapter Number	Topic	Page
		History	
April - May	1	The First War of Independence, 1857	9
	2	Growth of Nationalism	25
	3	First Phase of the Indian National Movement	36
	4	Second Phase of the Indian National Movement	47
	5	The Muslim League	62
	10	The First World War	119
		Civics	
	I	The Union Legislature	178
June-July		FIRST COMPARATIVE EXAMINATION	
		History	
July - September	6	Mahatma Gandhi and the National Movement	74
	7	Quit India Movement	92
	8	Forward Bloc and the INA	99
	9	Independence and Partition of India	107
		Civics	
	II	The Union Executive	199
		History	
	11	Rise of Dictatorships	129
	12	The Second World War	141
	13	United Nations	150
	14	Major Agencies of the United Nations	161
September -October		SECOND COMPARATIVE EXAMINATION	
October - November	15	Non-Aligned Movement	169
		Civics	
	III	The Judiciary	223
December		FIRST PRE BOARD EXAMINATION	
January		SECOND PRE BOARD EXAMINATION	
February		THIRD PRE BOARD EXAMINATION	

Note:

- A single notebook / register has to be maintained for History as well as Civics.
- It is advisable to follow the pattern of the question paper while doing written work.

Please refer to the Council Syllabus 2025 for details.

GEOGRAPHY

Name of the Textbook: Total Geography – 10 (ICSE)
Author: Jasmine Rachel, Dolly E. Sequeira & P.S. Latika
Publisher: Morning Star

Suggested Month	Topic Number	Topic	Page
April – May	1	Interpretation of Topographical Maps	5
	08	Soil Resources	90
	09	Natural Vegetation	101
	10	Water Resources	113
		Map Work [India] As per the Council syllabus	
June-July	FIRST COMPARATIVE EXAMINATION		
July-September	7	Climate	70
	11	Mineral Resources	126
	12	Conventional Sources of Energy	134
	13	Non-Conventional Sources of Energy	145
	20	Transport	218
	21	Waste Management – I: Impact of Waste Accumulation	234
	22	Waste Management – II: Safe Disposal of Waste	245
September-October	SECOND COMPARATIVE EXAMINATION		
October-November	14	Agriculture I	152
	15	Agriculture II: Food Crops	163
	16	Agriculture III: Cash Crops (1)	176
	17	Agriculture IV: Cash Crops (2)	184
	18	Manufacturing Industries (Agro-Based)	195
	19	Mineral Based Industry	209
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

There will be **one** paper of **two** hours duration carrying 80 marks and Internal Assessment of 20 marks.

Question paper pattern (1st Comparative only)

Part I

Toposheet – 10 marks
MCQ – 10 marks
Map work – 10 marks

Part II

– 50 marks – 5 out of 7 (Theory questions)
(Three questions from each topic and four questions mixed)

Mountains, Peaks and Plateaus: Himalayas, Karakoram, Aravalli, Vindhyas, Satpura, Western and Eastern Ghats, Nilgiris, Garo, Khasi, Jaintia, Mount Godwin Austin (K2), Mount Kanchenjunga, Deccan Plateau, Chota Nagpur Plateau.

Plains: Gangetic Plains and Coastal Plains – (Konkan, Kanara, Malabar, Coromandel, Northern Circars.)

Desert: Thar (The Great Indian Desert).

Rivers: Indus, Ravi, Beas, Chenab, Jhelum, Satluj, Ganga, Yamuna, Ghaghra, Gomti, Gandak, Kosi, Chambal, Betwa, Son, Damodar, Brahmaputra, Narmada, Tapi, Mahanadi, Godavari, Krishna, Cauveri, Tungabhadra.

Water Bodies: Gulf of Kutch, Gulf of Khambhat, Gulf of Mannar, Palk Strait, Andaman Sea, Chilika Lake, Wular Lake.

Passes: Karakoram, Nathu La Passes.

Latitude and Longitude: Tropic of Cancer, Standard Meridian (82° 30' E).

Direction of Winds: South West Monsoons (Arabian Sea and Bay of Bengal Branches), North East Monsoon and Western Disturbances.

Distribution of Minerals: Oil – Mumbai High (Offshore Oil Field) and Digboi, Iron – Singhbhum, Coal – Jharia.

Soil Distribution: Alluvial, Laterite, Black and Red Soil.

Cities: Delhi, Mumbai, Kolkata, Chennai, Hyderabad, Bengaluru, Kochi, Chandigarh, Srinagar, Vishakhapatnam, Prayagraj.

Population: Distribution of Population (Dense and sparse).

Please refer to the Council Syllabus 2025 for details.

Class X

MATHEMATICS

Name of the Textbook: Understanding ICSE Mathematics
Class X (Twenty Fifth Edition: 2024)

Author: M. L. Aggarwal

Publisher: Avichal Publishing Company

Suggested Month	Chapter Number	Name of the Chapter	Page
April - May	1	Goods and Services Tax (GST)	1
	2	Banking	20
	4	Linear Inequations	44
	5	Quadratic Equations in One Variable	56
	6	Factorisation	96
	7	Ratio and Proportion	110
	8	Matrices	140
	10	Reflection	198
	22	Probability	535
June - July	FIRST COMPARATIVE EXAMINATION		
July - September	9	Arithmetic and Geometric Progressions	164
	11	Section Formula	214
	12	Equation of a Straight Line	230
	13	Similarity	254
	3	Shares and Dividends	28
	17	Mensuration	400
	21	Measures of Central Tendency	494
	15	Circles	316
	16	Constructions	388
		REVISION	
September - October	SECOND COMPARATIVE EXAMINATION		

October - November	18	Trigonometric Identities	452
	19	Trigonometrical Tables	474
	20	Heights and Distances	477
	14	Locus	302
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

Note:

- The Assertion-Reason Type Questions for different chapters given on pages 584 to 613 of the textbook may be done along with the chapters.
- There will be **one** paper of **two and a half** hours duration carrying 80 marks and Internal Assessment of 20 marks.
- Certain questions may require the use of Mathematical tables.
- **Refer to the Council Syllabus 2025 for details.**

PHYSICS

Name of the Textbook: Concise Physics Part II for Class X

Author: R P Goyal & S P Tripathi

Publisher: Selina Publishers

Month	Chapter Number	Name of the Chapter	Page
April - May	1	Force	1
	2	Work, Energy and Power	21
	4	Refraction of Light at Plane Surfaces	75
	5	Refraction through a Lens	111
	6	Spectrum	143
June-July	FIRST COMPARATIVE EXAMINATION		

Class X

July	3	Machines	52
	8	Current Electricity	188
	9	Household Circuits	228
August	9	Household Circuits (Contd.)	
	11	Electro-magnetism	244
	7	Sound	159
September	7	Sound (Contd.)	
		REVISION	
September-October	SECOND COMPARATIVE EXAMINATION		
October	10	Calorimetry	278
November	12	Radioactivity	301
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

PRACTICAL WORK

(According to ICSE 2025 syllabus)

Note: Teachers may design their own set of experiments preferably related to theory syllabus. A comprehensive list is suggested below.

Month	Expt. No.	Experiment
April	1	Lever – Determine the mass of a metre rule using a spring balance or by balancing it on a knife edge at some point away from the middle and a 50g weight on the other side. Next pivot (F) the metre rule at the 40 cm, 50 cm and 60 cm mark, each time suspending a load L on the left end and effort E near the right end. Adjust E and/or its position so that the rule is balanced. Tabulate the position of L, F and E and the magnitudes of L and E and the distances of load arm and effort arm. Calculate $MA = L/E$ and $VR = \text{effort arm/load arm}$. It will be found that $MA < VR$ in one case, $MA = VR$ in another and $MA > VR$ in the third case. Try to explain why this is so. Also try to calculate the real

		load and real effort in these case.
May	2	Inclined plane - Use a roller (to minimise friction) as the load. Determine the effort required to roll it up an inclined plane with uniform speed. Apply effort at the end of a string tied to the roller passing over a pulley and a scale pan attached. Calculate the $MA = L / E$ and $VR = 1 / \sin\theta = l / h$ obtained from the measurements of the inclined plane. Repeat for two other angles of inclination. Why is $MA < VR$?
	3	Determine the V.R. and M.A. of a given pulley system.
July	4	Trace the course of different rays of light refracting through a rectangular glass block at different angles of incidence, measure the angles of incidence, refraction and emergence. Also measure the lateral displacement.
	5	Determine the focal length of a convex lens by: (a) distant object method (b) using a needle and a plane mirror
August	6	Determine the focal length of a convex lens by using two pins and the formula, $f = \frac{uv}{u + v}$
	7	Trace the course of rays passing through a prism and measure angles i_1 , i_2 and δ . Repeat for four different angles of incidence (say $i_1 = 40^\circ, 50^\circ, 60^\circ$ and 70°). Verify $i_1 + i_2 = A + \delta$ and $A = r_1 + r_2$.
September	8	For a ray of light incident normally ($i = 0^\circ$) on one face of a prism, trace course of the ray. Measure the angle of deviation δ . Do this for prisms with $A = 60^\circ, 45^\circ$ and 90° .
October	9	Calculate the specific heat of the material of the given calorimeter, from the temperature readings and masses of cold water, warm water and its mixture taken in the calorimeter.
	10	Determination of specific heat of a metal by the method of mixtures.
November	11	Determination of specific latent heat of ice.
	12	Using a simple electric circuit, verify Ohm's law. Draw a graph, and obtain the slope.
December	13	Set up a model of household wiring including ring main circuit. Study the function of switches and fuses.

The following guidelines are applicable for the Council's examination 2025.

- There will be one paper of two hours duration carrying 80 marks and Internal Assessment of practical work carrying 20 marks.

The paper will be divided into two sections, Section I (40 marks) and Section II (40 marks).

Section I (compulsory) will contain short answer questions on the entire syllabus.

Section II will contain six questions. Candidates will be required to answer any four of these six questions.

- Evaluation of practical work / project work:**

The practical work / project work are to be evaluated by the subject teacher and by an External Examiner. The Internal Examiner and the External Examiner will assess the practical work / project work independently.

Award of Marks: (20 marks)

Subject Teacher (Internal Examiner) : 10 marks

External Examiner : 10 marks

The total marks obtained out of 20 are to be sent to the Council by the head of the school.

- Unless otherwise specified, only S.I. units are to be used while teaching and learning as well as for answering questions.

Note: For further details please refer to the Council's Syllabus for ICSE examination 2025.

CHEMISTRY

Name of the Textbook: Simplified ICSE Chemistry for Class X

Author: Dr Viraf J Dalal

Publisher: Allied Publishers Private Limited

Month	Chapter Number	Name of the Chapter	Page
April	1	Periodic Table	1
	2	Chemical Bonding	21
	4A	Gay Lussac's Law	69-73
	4B	Empirical Formula and Molecular Formula, Percentage Composition	87-91
May	7B	Ammonia	163

	3B	Analytical Chemistry	64
	8	Organic Chemistry - Introduction and nomenclature	220-226
		Practical: (i) Add concentrated HCl to each of the given substances, warm, make observations, identify any product and make deductions: (a) CuO (b) MnO ₂ (ii) Identification of cations: Calcium (Ca ²⁺), Copper (Cu ²⁺), Ferric (Fe ³⁺), Ferrous (Fe ²⁺), Lead (Pb ²⁺), Zinc (Zn ²⁺), Ammonium ion (NH ₄ ⁺)	
June-July	FIRST COMPARATIVE EXAMINATION		
July	8	Organic Chemistry	227
August	3A	Acids, Bases and Salts	39
	4A	Avogadro's Law, Mole Concept and Vapour Density	74-86
	4B	Calculations Based on Chemical Equations	92-101
September	7A	Hydrogen Chloride	149
	7C	Nitric Acid	183
	7D	Sulphuric Acid	203
September -October	SECOND COMPARATIVE EXAMINATION		
October-November	5	Electrolysis	102
	6	Metallurgy	127
		Practical: (i) Identification of gases: * Neutral Gases – Oxygen (O ₂), Hydrogen (H ₂), Water vapour (H ₂ O) * Acidic Gases – Nitrogen dioxide (NO ₂), Sulphur dioxide (SO ₂), Hydrogen sulphide (H ₂ S). Hydrogen chloride (HCl), Chlorine (Cl ₂), Carbon dioxide (CO ₂),	

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	<p>* Basic Gas – Ammonia (NH₃)</p> <p>(ii) Supply a solution of a dilute acid and alkali. Determine which is acidic and which is basic, giving two tests for each.</p> <p>(iii) Action of heat on: Copper carbonate, Zinc carbonate Zinc nitrate, Copper nitrate and Lead nitrate.</p> <p>(iv) Identification of anions: Nitrate (NO₃⁻), Sulphide (S²⁻), Sulphite (SO₃²⁻), Sulphate (SO₄²⁻), Chloride (Cl⁻), Carbonate (CO₃²⁻)</p>	
November-December	FIRST PRE BOARD EXAMINATION	
January	SECOND PRE-BOARD EXAMINATION	
January-February	THIRD PRE-BOARD EXAMINATION	

NOTE:

There will be one paper of **two hours** duration of 80 marks and Internal Assessment of practical work carrying 20 marks.

The paper will be divided into **two** sections, Section I (40 marks) and Section II (40 marks).

Section I (compulsory) will contain short answer questions on the entire syllabus.

Section II will contain six questions. Candidates will be required to answer any **four** of these **six** questions.

All chemical process / reactions should be studied with reference to the reactants, products, conditions, observation, the (balanced) equations and diagrams.

Refer to the Council Syllabus 2025 for details.

BIOLOGY

Name of the Textbook: Concise Biology I.C.S.E. Part II (Revised and Enlarged)

Author: H S Vishnoi

Publisher: Selina Publishers

Suggested Month	Chapter Number	Name of the Chapter	Page
April-May	2	Structure of Chromosomes, Cell Cycle and Cell Division	8
	3	Genetics – Some Basic Fundamentals	23
	4	Absorption by Roots – The Processes Involved	38
	5	Transpiration	56
	6	Photosynthesis	69
June-July	FIRST COMPARATIVE EXAMINATION		
July	7	Chemical Coordination in Plants	83
	8	The Circulatory System	92
August	9	The Excretory System	115
	10	The Nervous System	126
	11	Sense Organs	142
September	13	The Reproductive System	170
September - October	SECOND COMPARATIVE EXAMINATION		
	15	Population – The Increasing Numbers and Rising Problems	199
October-November	12	The Endocrine System	156
	14	Human Evolution	189
	16	Pollution – A Rising Environmental Problem	212
		REVISION	
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

PRACTICAL WORK

Month	Practical
April-May	Observation of permanent slides of mitosis.
	Experiments demonstrating diffusion, osmosis and absorption.
	Experiments to show transpiration, unequal transpiration and rate of transpiration.
July	Experiments to show the necessity of light, carbon dioxide and chlorophyll essential for photosynthesis; release of O ₂ during photosynthesis. Candidates to write down their observations and draw and label the apparatus.
	The identification of different types of blood cells under a microscope.
	Identification of the structure of the urinary system, heart and kidney (internal structure) and brain (external view) through models and charts.
August	The structure of the Ear and an Eye (candidates will be required to identify each structure in the models of these organs).
September	Identification and location of selected endocrine glands (Adrenal, Pancreas, Thyroid and Pituitary glands) with the help of a model or chart.

Note:

There will be one paper of **two hours** duration of 80 marks and Internal Assessment of practical work carrying 20 marks.

The paper will be divided into **two** sections, **Section I** (40 marks) and **Section II** (40 marks).

Section I (compulsory) will contain short answer questions on the entire syllabus.

Section II will contain **six** questions. Candidates will be required to answer any **four** of these **six** questions.

Please refer to the Council Syllabus 2025 for details.

ECONOMICS

Name of the Textbook: **ICSE Economics – Class X**

Author: **J P Goel and Kaushal Goel**

Publisher: **Goyal Brothers Prakashan**

Suggested Month	Chapter Number	Name of the Chapter
April-May	1	Factors of Production
	9	Introduction to Public Finance
	10	Public Revenue
	11	Public Expenditure
	12	Public Debt
June-July	FIRST COMPARATIVE EXAMINATION	
July	2	Elementary Theory of Demand
	3	Elasticity of Demand
	4	Theory of Supply
August-September	6	Meaning and Functions of Money
	7	Commercial Banks
	8	Central Bank
	13	Inflation
September-October	SECOND COMPARATIVE EXAMINATION	
October	14	Consumer Awareness
	5	Meaning and Types of Market
November	REVISION	
December	FIRST PRE BOARD EXAMINATION	
January	SECOND PRE BOARD EXAMINATION	
February	THIRD PRE BOARD EXAMINATION	

There will be **one** theory paper of **two** hours duration carrying 80 marks and Internal Assessment of 20 marks.

Internal Assessment: **One** assignment as prescribed by the teacher from the syllabus.

Refer to the Council Syllabus 2025 for further details.

COMMERCIAL STUDIES

Name of the Textbook: I.C.S.E. Commercial Studies
for Class X

Author: C.B. Gupta

Publisher: Goyal Brothers Prakashan

Suggested Month	Chapter Number	Name of the Chapter
April-May	1	Stakeholders in Commercial Organisations
	2	Marketing and Sales
	4	Consumer Protection
	9	Budgeting
	5	E-Commerce
	15	Government Initiatives in Environment Protection
June-July	FIRST COMPARATIVE EXAMINATION	
July	3	Advertising and Sales Promotion
	6	Capital and Revenue Expenditure / Income
	8	Fundamental Concepts of Cost
August	7	Final Accounts of Sole Proprietorship (Meaning and preparation of Trading, Profit and Loss account and Balance Sheet based on the given trial balance with the adjustment of closing stock only.)
	12	Industrial Relations, Trade Unions and Social Security
	10	Sources of Finance
	14	Banking
September	11	Recruitment, Selection and Training
September - October	SECOND COMPARATIVE EXAMINATION	
October	13	Logistics and Insurance
November		REVISION
December	FIRST PRE BOARD EXAMINATION	
January	SECOND PRE BOARD EXAMINATION	
February	THIRD PRE BOARD EXAMINATION	

There will be **one** theory paper of **two** hours duration carrying 80 marks and Internal Assessment of 20 marks.

Internal Assessment – A minimum of **three** assignments are to be done during the year, as assigned by the teacher.

Refer to the Council Syllabus 2025 for further details.

COMPUTER APPLICATIONS

Name of the textbook: Touchpad Computer Applications with BlueJ (10)

Author: Partha Saha

Publisher: Orange Education Pvt. Ltd.

Suggested Month	Chapter Number	Name of the Chapter	Page
April-May	1	Introduction to Object Oriented programming Concepts	13
	2	Elementary Concept of Objects and Classes	21
	3	Values and Types	26
	4	Operators in Java	46
	10	Class as the Basis of all Computation (excluding programs on object creation)	197
	5	Input in Java	68
	6	Mathematical Library Methods	87
	7	Conditional Construct in Java	101
	8	Iterative Constructs in Java	134
	9	Nested Loop	174
June-July	FIRST COMPARATIVE EXAMINATION		
July	15	Arrays (including double dimension arrays)	320
August	15	Arrays (Continued)	
	11	User-Defined Methods	232
September	12	Constructors (including programs on object creation)	266

Class X

	14	Encapsulation and Inheritance	306
	13	Library Classes (including Auto-boxing and Unboxing)	292
		REVISION	
September-October	SECOND COMPARATIVE EXAMINATION		
October	16	String Handling (including searching (Linear) and sorting (Bubble and Selection) techniques)	366
November	16	String Handling (Continued)	–
		REVISION	
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

* Please refer to the Council's Regulations and Syllabus 2025 on pages 158, 161 and 162 for the complete list of functions / methods to be covered under various topics.

Note: Since Computer Applications falls under Group III of the Council's syllabus, final evaluation as mentioned on page 4 of Council's syllabus 2025 will be done as follows:

1. External Examination – 50% (percentage marks)
2. Internal Assessment – 50% (percentage marks)

There will be one written paper of **two hours** duration carrying 100 marks and Internal Assessment of 100 marks.

The theory paper will be divided into **two** sections **A** and **B**. **Section A** (40 marks) shall consist of compulsory short answer questions chosen from the entire syllabus. **Section B** (60 marks) shall contain questions, which require longer answers or require a greater amount of time for solving even when the answers are not long.

Internal Assessment

The student should complete minimum of 20 laboratory assignments during the whole year to reinforce the concepts studied in the class which should comprise of source code with comments, Variable Description table and input / output (printed or hand written).

PHYSICAL EDUCATION

Name of the textbook: CANDID ICSE Physical Education – Class X

Author: Sanjay Kundra

Publisher: EVERGREEN PUBLICATIONS (INDIA) LTD.

Suggested Month	Chapter Number	Name of the Chapter	Page
April-May	2	Physical Education	26
	3	Body Types	34
	5	Sports Training	53
	Sec B	Any two of the following games to be studied: Cricket, Football, Badminton, Volleyball and Basketball	
		Physical Efficiency Tests	
		REVISION	
June-July	FIRST COMPARATIVE EXAMINATION		
July - September	1	Human Growth and Development (excluding Adolescence Changes, Needs, Problems and Management)	11
	4	Physical Fitness	39
	6	Safety in Sports	63
	8	Careers in Physical Education	105
	Sec B	Any two of the following games to be studied: Cricket, Football, Badminton, Volleyball and Basketball	
		Physical Efficiency Tests	
		REVISION	
September-October	SECOND COMPARATIVE EXAMINATION		

Class X

October- November	7	Health Education	82
	Sec B	Any two of the following games to be studied: Cricket, Football, Badminton, Volleyball and Basketball	
		Physical Efficiency Tests	
		REVISION	
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

Note: Internal Assessment to be done in accordance with the **ICSE Council Syllabus 2025.**

Part I: Theory:

There will be one written paper of two hours duration carrying **100 marks.**

Part 2: Internal Assessment (100 marks)

Work to be assessed by teacher **(50 marks)**

Work to be assessed by external examiner **(50 marks):** It will include Physical Efficiency Tests and Specialization Tests.

ART (60)

Name of the Drawing Book: 1. Alankar – Part 5

Artist: Chaman Kiran

Publisher: Nageen Prakashan

2. Still Life by Sanjay Shelar, Jyotsana Prakashan

Suggested Months	Name of the Chapter	No of Sessions
April	Sketching and practice session Still Life (Paper I) - A teapot, sugar pot, a spoon inside a cup, saucer, milk pot.	2+5
	Still Life (Paper I) - Bournvita big size refill pack, coffee mug and a cake	5
	Nature Drawing (Paper II) - Dahliya	5
	Nature Drawing (Paper II) - Sweet Pea	5
		22

May	Nature Drawing - Croton	5
		5
June-July	FIRST COMPARATIVE EXAMINATION	
July	Still Life (Paper I) - A loaf of bread, 2 bananas, a jug filled with juice, jam, a picnic basket, and a piece of an apple	5
	Still Life (Paper I) - A glass of milk, sandwich, 2 boiled and chopped eggs on a plate	5
	Nature Drawing (Paper II) - Cactus	5
	Nature Drawing (Paper II) - Succulents	5
	Nature Drawing (Paper II) - Champa	5
		25
August	Project work – Tie & Dye work Project work – Proper mache	10+10
		20
September	Project work – Batik Art	14
		14
September - October	SECOND COMPARATIVE EXAMINATION	
October	Still Life (Paper I) - Table lamp, a dictionary, a pair of spectacles, an inkpot and an open book.	5
	Still Life (Paper I) - A shoe box, a pair of shoes, a tin of polish, a brush and a duster.	5
	Nature Drawing (Paper II) - Juhi	5
		15
November	Project Work: Ceramic clay work	10
	Still Life (Paper I) - An orange juice, an Apple, Guava with its leaves, Banana and Papaya cut into two pieces in a shopping basket.	5
	Nature Drawing (Paper II) - Bela	5
		20
December	Kitchen utensils – 7 objects gravy boat, sauce pan etc.	5

Class X

	Still Life (Paper I) - Group of bathroom materials	5
	Nature Drawing (Paper II) - Sansservieria	5
	Nature Drawing (Paper II) - Carnation	5
	Nature Drawing (Paper II) - aster	5
		25
December	FIRST PRE BOARD EXAMINATION	
January	SECOND PRE BOARD EXAMINATION	
January - February	THIRD PRE BOARD EXAMINATION	

Note: Candidates must submit at least 4 sets and not less than 2 samples / example of craftwork which they have executed during the school year in any one craft from the following eight categories. Further evidence of study in the form of working drawings, small book or photographs may also be submitted. The work submitted must be the unaided work of the candidates. It must be accompanied by the statement from the art teacher and the Principal of the school to this effect.

Environmental Science

Name of the textbook: ICSE Environmental Science – X

Author: Amita Ganguly

Publisher: Marina Publications

Suggested Months	Chapter Number	Name of the Chapter	Page
April	1	Controlling Air Pollution	9
	2	Addressing Population	15
May	3	Managing the Urban Environment	23
	4	Managing Soil and Land	37
June-July	FIRST COMPARATIVE EXAMINATION		
July	5	Food	55
August	6	Biodiversity	71
September	7	Energy	87
	8	Waste	101

September - October	SECOND COMPARATIVE EXAMINATION		
October	9	Environment and Development	107
November	10	Towards a Sustainable Future	118
December	FIRST PRE BOARD EXAMINATION		
January	SECOND PRE BOARD EXAMINATION		
February	THIRD PRE BOARD EXAMINATION		

Note:

- There will be one paper of two hours duration carrying 80 marks and Internal Assessment of 20 marks.
- The paper will have **two** Sections.
- Section A (**Compulsory**) will contain short answer questions covering the entire syllabus.
- Section B will contain **six** questions. Candidates will be required to answer **any four** questions from this section.

Refer to the Council Syllabus 2025 for details.