

City Montessori School, Lucknow

Syllabus 2025 – 2026

Class XII

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NOTE: Please refer to ISC Council Syllabus and Scope of Syllabus 2026 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 LANGUAGE:

1. To develop habits of:
 - a. clear articulate expression, using accepted syntactical forms and structures with a firm grasp of idioms;
 - b. critical thinking, involving assessment and analysis of the written material provided.
2. To develop the capacity to critically and innovatively examine and to assess the value of passages of argumentative writing, to consider the assumptions upon which the arguments rest and to trace the implications that follow.
3. To develop adequate and appropriate vocabulary.
4. To develop the ability to comprehend and appreciate good prose.

ENGLISH (Prescribed Texts):

1. To develop an appreciation of literature through a critical study of selected literary works.
2. To help students achieve through the study of literature, an understanding of the study of man.
3. To create an interest in the warp of thought, which differs from that of the group to which, the student belongs.
4. To develop the power of expression.

HINDI:

1. To develop habits of clear articulate expression using accepted syntactical forms and structures, with a firm grasp of idiom and to comprehend and appreciate good prose.
2. To expose candidates to a deeper knowledge and appreciation of literary works in the language.

HISTORY:

1. To provide accurate knowledge of the most significant events and personalities of the period under study in sequence and in context.
2. To familiarise candidates with factual evidence.
3. To develop an understanding of the existence of problems and relevance of evidence of explanations.
4. To develop the capacity to marshal facts and evaluate evidence and to discuss issues from a historical point of view.
5. To develop the capacity to read historical views in the light of new evidence or new interpretation of evidence.
6. To foster a sense of historical continuity.
7. To familiarise candidates with various types of historical evidence and to provide some awareness of the problems involved in evaluating different kind of source materials.

PSYCHOLOGY:

1. To develop an understanding of human behaviour: the nature of individuals and of members of social groups.
2. To develop an understanding of the methods of research and study employed in psychology.
3. To develop an appreciation of the practical value of psychology and its applications in daily life.

ECONOMICS:

1. To enable candidates to acquire knowledge, information and develop an understanding of facts, terms, concepts, conventions, trends, principles, generalisations, assumptions, hypothesis, problems, processes etc. in economics.
2. To acquaint candidates with tools of economic analysis.
3. To develop an understanding of important economic problems.
4. To acquaint candidates with the main institutions through which the productive process is carried out.
5. To develop an understanding of the role of institutions in the functioning of an economy.
6. To enable candidates to compare their own economic structure with that of the other areas of the world.

COMMERCE:

1. To develop an interest in the theory and practice of business, trade and industry.

2. To familiarise candidates with theoretical foundations, organising, managing and handling operations of a business firm.
3. To provide a study of the more important aspects of the commercial world.
4. To provide knowledge of the activities of commerce in the marketing of goods and services.

ACCOUNTS:

1. To provide an understanding of the principles of accounts and practice in recording transactions and interpreting individual as well as company accounts.
2. To develop an understanding of the form and classification of financial statements as a means of communicating financial information.

MATHEMATICS:

1. To enable candidates to acquire knowledge and to develop an understanding of the terms, concepts, symbols, definitions, principles, processes, formulae and theorems of mathematics.
2. To develop the ability to apply the knowledge and understanding of mathematics to unfamiliar situations or to new problems.
3. To develop skills of –
 - a. computation
 - b. drawing geometrical figures and graphs
 - c. reading tables, charts, graphs, etc.
4. To develop an appreciation of the role of mathematics in day-to-day life.
5. To develop an interest in mathematics.
6. To develop mathematical aptitude through the study of mathematics.

PHYSICS:

1. To enable candidates to acquire knowledge and to develop an understanding of the terms, facts, concepts, definitions, fundamental laws, principles and processes in the field of physics.
2. To develop the ability to apply the knowledge and understanding of physics to unfamiliar situations.
3. To develop a scientific attitude.
4. To develop skills in –
 - a. the practical aspects of handling apparatus, recording observations and
 - b. Drawing diagrams, graphs etc.
5. To develop an appreciation of the contribution of physics towards scientific and technological developments and towards human happiness.

CHEMISTRY:

1. To foster acquisition of knowledge and understanding of terms concepts, fact, processes and principles.
2. To develop the ability to apply the knowledge of contents and principles of chemistry in unfamiliar situations.
3. To develop skills in proper handling of chemicals and apparatus.
4. To develop and ability to appreciate achievements and its role in nature and society.
5. To develop an interest in activities involving the usage of the knowledge of chemistry.

BIOLOGY:

1. To enable candidates to acquire the knowledge and to develop an understanding of biological terms, concepts, facts, formulae, etc.
2. To create awareness about the problems of the environment and the manner in which these problems can be overcome.
3. To develop the ability to appreciate biological phenomena in nature and the contribution of biology to human welfare.
4. To develop interest in plants and animals and their respective environments.
5. To develop scientific attitude towards scientific phenomena.
6. To create awareness of the fundamentals of human biology, food, health, nutrition and population control.

COMPUTER SCIENCE:

1. To enable students to comprehend basic concepts and practices for problem solving.
2. To develop an understanding of how computers store and process data.
3. To develop the ability to describe the major components of computer hardware and their functions and interactions.
4. To develop the ability to analyse applications and systems of interacting objects.
5. To develop the ability to code, test, debug, document and validate programs to implement various algorithms.
6. To develop an appreciation of the implications of computer use in everyday life in contemporary society.

BIOTECHNOLOGY:

1. To enable candidates to acquire the knowledge and develop an understanding of how materials are provided by biological agents to provide goods and services.
2. To appreciate the role played by biotechnology in improving health care of human beings.
3. To understand the interdisciplinary nature of this subject.
4. To create awareness about the appreciation of biological processes to industries.
5. To develop the ability to appreciate biological phenomenon in nature and the contribution of biotechnology to human welfare.
6. To develop scientific attitude towards biological phenomenon.

MORAL EDUCATION

Name of the Textbook: Pathfinders, Book - 2
Publisher: FAS

APRIL - NOVEMBER			
Suggested Month	Chapter Number	Name of the Chapter	
April-May	7	The Mystery of Pain	39
July-August	8	The Purpose of Life	47
November	9	Putting Knowledge into Action	54

Note: Written work for every chapter mentioned above.

- Competence Building
- Group discussion.

ENGLISH LANGUAGE

Note: English Language test papers to be prescribed by the subject teachers at the branch level.

Question No.	Topics
1.	Composition:
a	narrative
b	descriptive
c	reflective
d	discursive
e	argumentative
f	story writing
2. (a)	Directed Writing:
	Report Writing
(i)	- an accident
(ii)	- a natural calamity
(iii)	- coverage of an official function
(iv)	- visit of a dignitary
(v)	- an incident
	Speech writing
	Feature Article
	Book Review
	Statement of purpose
2. (b)	Proposal
3.	Functional Grammar:
a	transformation of sentences
b	prepositions
c	tenses
4.	Comprehension:
a (i)	synonymous words
(ii)	different meaning sentences
b	comprehension questions
c	précis writing
July-August	COMPARATIVE EXAMINATION
November	FIRST PRE BOARD EXAMINATION
January	SECOND PRE-BOARD EXAMINATION
(* One Complete Test Paper to be done every month)	

Paper 1: English Language (3 hours, 80 marks)

Question 1 – A composition on one of a number of subjects. (400-450 words)
... **20 marks**

Question 2(a) – A short composition based on the information and ideas provided.
(300 words) ... **15 marks**

Question 2(b) – Proposal Writing (150 words) ... **10 marks**

Question 3 – Short-answer questions to test grammar, structure and usage.
... **15 marks**

Question 4 – Comprehension (about 700 words will be provided) ... **20 marks**

Project Work ... 20 marks

Note: Please refer to the Council Syllabus 2026.

PROPOSAL WRITING

Guidelines and marks distribution for Proposal Writing, question 2(b)

General Instructions:

- Only student centric topics should be given for writing a proposal.
- Word limit is approximately 150 words. However, it should not exceed 160 words.
- It should be divided into three distinct parts i.e., the Heading, Objective and Measures.
- Heading and Objective must be written in a **paragraph** form and Measures in numbers and points / bullets.
- After each heading, using a colon sign (:) is a must.
- All paragraphs must be aligned towards the left.

1. Heading: The candidates will be required to convey the specific task that the project is supposed to achieve. It should be creative, clear and concise and have atleast two points to define the purpose.

2. Objective: The candidates will be required to explain the goals and objectives of the proposed project. At least **two objectives in a paragraph** should be stated clearly.

3. Measures: The candidates will be required to explain the specific steps and method of what is to be done as:

1. What do they plan to do?
2. Total number of members involved in the project
3. Proposed activities
4. Time that will be taken to complete the project
5. Budgetary and non-financial needs, i.e. How much money will be spent on the project and what non-financial resources are required? (human capital, infrastructure, other resources required, etc.)

Concluding sentence: The proposal should be concluded with a sentence stating that you are hopeful that your proposal will be accepted.

Based on the above mentioned points, the mark distribution for different heads under proposal writing is as follows:

Maximum Marks: 10

Heading:	2
Objectives:	2 (Objectives + Expression)
Measures:	4
Linguistic ability	2

SPECIMEN FOR PROPOSAL WRITING

PROPOSAL FOR SETTING UP A SCIENCE CLUB

Heading/Introduction: To foster an interest in Science outside the classroom and introduce students to the wonders and relevance of Science in our lives, we propose to set up a Science Club in school.
<i>(minimum 2 points – 2 marks)</i>
Objectives: A Science Club will help students overcome their phobias regarding Science. It will be instrumental in developing the scientific curiosity of students through its activities and programmes.
<i>(minimum 2 points – 2 marks)</i>
List of Measures:
<ul style="list-style-type: none"> • The middle-school activity room will be used as the room for all Science Club meetings and activities.

<ul style="list-style-type: none"> • The meetings will take place once a week after school from 2.00 pm till 3.30 pm. Any activities such as talks by scientists or competitions will take place on Saturdays. • Membership of the Science Club will be open to all students from Classes VI to XII. The Club President will be Mr. Sinha, our Senior Physics Teacher. Eight other office bearers will be elected from the members of the Club. • Club membership has been fixed at Rs. 250/- per member per year. • The Club will have a range of activities ranging from Science Fairs, Robot making, creating slogans and posters, documentaries and so on.
<i>(minimum 4 points – 4 marks)</i>
We hope that the proposal will be accepted so that the Science Club becomes a reality in the life of the school.
<i>(linguistic ability – 2 marks)</i>
[Total – 10 marks]
IMPORTANT NOTICE: It is suggested that while writing a proposal, the students provide an apt title, a Heading i.e. an introduction of about 2 sentences, a minimum of 2 objectives and a list of measures of a minimum of 4 points. The proposal should be concluded with an appropriate sentence, 2 marks will be awarded for linguistic ability.

LITERATURE IN ENGLISH (Prescribed Texts)

- Name of the Textbooks:**
1. Macbeth (Turner Edition)
 2. Prism: A Collection of ISC Short Stories
 3. Rhapsody: A Collection of ISC Poems
- Author:** 1. William Shakespeare
- Publishers:**
1. S. Chand
 2. Evergreen Publications (India) Ltd., New Delhi
 3. Evergreen Publications (India) Ltd., New Delhi

Suggested Month	Name of the Chapter
April-July	Macbeth
	Act III
	Prism: A Collection of ISC Short Stories
	Atithi / Guest
	The Cookie Lady
	Rhapsody: A Collection of ISC Poems
	Telephone Conversation
	Tithonus
	Macbeth
	Act IV Scene I & II
	Rhapsody: A Collection of ISC Poems
	Small Towns and the River
	REVISION
July	COMPARATIVE EXAMINATION
August - November	Macbeth
	Act IV Scene III
	Prism: A Collection of ISC Short Stories
	There Will Come Soft Rains
	Indigo

	Rhapsody: A Collection of ISC Poems
	Beethoven
	Death be not Proud
	Macbeth
	Act V
	Prism: A Collection of ISC Short Stories
	The Medicine Bag
	REVISION
November	FIRST PRE BOARD EXAMINATION
December	REVISION
January	SECOND PRE-BOARD EXAMINATION

There will be **two** papers in Literature in English:

Paper I: Theory (3 hours): 80 Marks

Paper II: Project Work: 20 Marks

PAPER I: THEORY – 80 Marks

Candidates will be required to answer questions based on the prescribed textbooks, which include Drama, Prose (Short Stories) and Poetry.

LITERATURE PROJECT:

The candidates will be required to undertake one written assignment of 1000-1500 words, which is to be assessed internally by the subject teacher and externally by the visiting examiner appointed locally and approved by the Council.

Note: Please refer to the council syllabus and scope of the syllabus 2026 for the project topics and details.

हिंदी

Name of Textbook	: Author	Publication
1. गद्य संकलन	: ISC Collection of Short Stories & Essays	ऐवरग्रीन पब्लिकेशन्स
2. काव्य मंजरी	: ISC Collection of Poems	ऐवरग्रीन पब्लिकेशन्स
3. सारा आकाश	: राजेन्द्र यादव	इंटर यूनिवर्सिटी प्रेस
4. व्याकरण मंजूषा	: विनोदिनी शर्मा	इंटर यूनिवर्सिटी प्रेस

Suggested Month	Name of the Book	Name of the Chapter
April-July	गद्य संकलन	क्या निराश हुआ जाए ?
	काव्य मंजरी	जाग तुझको दूर जाना है, उद्यमी नर
		पुनरावृत्ति – साखी, बाल-लीला, एक फूल की चाह, पुत्र-प्रेम, गौरी, शरणागत
	सारा आकाश	उत्तरार्द्ध: सुबह – अंश 1, 2, 3, 4, 5
		पुनरावृत्ति – पूर्वार्द्ध अंश 1 – 10
	व्याकरण	मुहावरे, वाक्य संशोधन, अपठित गद्यांश
July	COMPARATIVE EXAMINATION	
August-November	गद्य संकलन	भक्तिन
		पुनरावृत्ति – सती, आउटसाइडर, आ: धरती कितना देती है
		निबन्ध-वर्णनात्मक
	सारा आकाश	अंश 6
	व्याकरण	निबन्ध – विचारात्मक मुहावरे, वाक्य संशोधन – (मौखिक)
	गद्य संकलन	संस्कृति क्या है ?
	काव्य मंजरी	बादल को घिरते देखा है
		पुनरावृत्ति – नदी के द्वीप, दासी, तुलसी के पद
	सारा आकाश	अंश 7, 8

	व्याकरण	मौलिक कहानी
	गद्य संकलन	मजबूरी

	सारा आकाश	अंश 9, 10
	काव्य मंजरी	अंधेरे का दीपक
	सारा आकाश	पुनरावृत्ति
	व्याकरण	निबन्ध – वर्णनात्मक, समस्यामूलक मुहावरे, वाक्य संशोधन
		पढ़ाए गए पाठों की पुनरावृत्ति, मॉडल प्रश्न-पत्रों का अभ्यास
November	FIRST PRE BOARD EXAMINATION	
December	पुनरावृत्ति	
January	SECOND PRE BOARD EXAMINATION	

1. There will be **one** paper of **3** hours duration, which will consist of two sections:
- | | |
|---|-----------------------------|
| Section A: Language (40 marks) | } 40 + 40 + 20 = 100 |
| Section B: Prescribed Textbooks (40 marks) | |
| Internal Assessment (20 marks) | |
2. Candidates will be required to answer **four** questions on **at least three** of the prescribed textbooks.
3. Refer to the Council Syllabus 2026 for further details.

HISTORY

Name of the Textbook: 1. Mastering Modern World History by Norman Lowe
2. ISC History Class XII by S. N. Banerjee
Publisher: 1. Macmillan
2. Kalyani

Suggested Month	Topic	Name of the Chapter
April – July	1	Towards Independence and Partition: The Last Phase (1939-1947)
	2	Establishment of Indian Democracy (1947-1966)
	7	World War II
	9	Cold War (1945-1991) – Origin, end and impact
	3	Development of Indian Democracy (1964-1977)
	6	Movement for Women's Rights
July		COMPARATIVE EXAMINATION
August	4	Changing Face of Indian Democracy (1977-1986)
	5	India's Foreign Policy
September	8	Decolonisation – in Asia (China) and Africa (Ghana and Kenya)
October- November	10	Protest Movements
	11	Middle East: Israel – Palestine Conflict (1916-1993)
		REVISION
November		FIRST PRE BOARD EXAMINATION
December		REVISION
January		SECOND PRE BOARD EXAMINATION

There will be two papers in the subject:

Paper I: Theory 3 hours – 80 Marks

Paper II: Project Work – 20 Marks

Please refer to the Council Syllabus 2026 for details.

PSYCHOLOGY

Name of the Textbook: PSYCHOLOGY – Textbook for Class XII
Publisher: NCERT

Suggested Month	Name of the Chapter
April–July	Attitudes
	Stress and Stress Management
	Personality
	REVISION
July	COMPARATIVE EXAMINATION
August	Lifespan Development
September	Intelligence and Ability
	Social Thought and Behaviour
October	Psychological Disorders and Psychotherapies
November	Psychology in relation to environment and social concerns
	REVISION
November	FIRST PRE BOARD EXAMINATION
December	REVISION
January	SECOND PRE BOARD EXAMINATION
Internal Assessment – Two studies to be conducted on topics given in the Council syllabus and as guided by the subject teacher.	

* There will be **two** papers in the subject.

Paper I – Theory: 3 hours ... 70 marks

Paper II – Practical work ... 30 marks

Please refer to the Council Syllabus 2026 for details.

ECONOMICS

Name of the Textbook: **Introductory Microeconomics**
Introductory Macroeconomics
Publisher: **NCERT**

Suggested Month	Unit Number	Name of the Unit
April-July	1	Micro Economic Theory
		(i) Demand and Law of Demand
		(ii) Elasticity of Demand
		(iii) Supply
		(iv) Market Mechanism
		(v) Concept of Production and Production Function
		(vi) Cost and Revenue
		(vii) Main Market Forms
July-August	COMPARATIVE EXAMINATION	
August	Submission of Project I	
	2	Theory of Income and Employment
September-November	3	Money and Banking
	4	Balance of Payment and Exchange rate
	5	Public Finance
	6	National Income
	Submission of Project II	
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

There will be **two** papers in the subject.

Paper I – THEORY: 3 hours - 80 marks

Paper II – PROJECT WORK - 20 marks

Refer to the Council Syllabus 2026 for details.

COMMERCE

Name of the Textbook: **Business Studies I and II**
Publisher: **NCERT**

Suggested Month	Unit Number	Name of the Unit
April – May	1	Business Environment
	2	Financing
		(i) Capital Sources of Finance for Sole Traders, Partnership, Joint Stock Company, Financial Planning
		(ii) Sources of Finance for a Joint Stock Company
		(iii) Banking-Latest Trends
June	Submission of 1st Project	
June-July	4	Marketing
August		(i) Marketing - Concept and Functions
		(ii) Marketing Mix - Meaning and elements
		(iii) Consumer Protection Rights of consumers, methods of Consumer Protection.
July-August	COMPARATIVE EXAMINATION	
September-November	3	Management
		(i) Meaning, Objectives, Characteristics of Management
		(ii) Nature of Management – Science, Art and Profession
		(iii) Importance of Management
		(iv) Principles of Management: Nature and need for Principles
		(v) Functions of Management, Planning, Organising, Staffing, Directing, Controlling & Coordinating
	Submission of 2nd Project	
	REVISION	
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

There will be **two** papers in the subject.

Paper I - Theory: 3 hours – 80 marks

Paper II - Project Work – 20 marks

Note: Refer to the council syllabus 2026 for details.

ACCOUNTS

Name of the Textbook: **ACCOUNTANCY**
Publisher: **NCERT**

Suggested Month	Chapter Number	Name of the Chapter
April-July		Accounting for Partnership Firms–Fundamentals
		Goodwill: Concept and Valuation
		Financial Statements of Companies
		Tools for Financial Analysis-Comparative Statements
		Common Size Statements
		Ratio Analysis
		Cash Flow Statement
July		COMPARATIVE EXAMINATION
August		Admission of a Partner
September		Retirement or Death of a Partner
		Dissolution of Partnership Firm
		Company Accounts - Issue of Shares
October		Company Accounts - Issue of Shares (Continued)
		Company Accounts - Issue of Debentures
		Company Accounts - Redemption of Debentures
		Financial Statement Analysis
November		Financial Statement Analysis (Continued)
November		FIRST PRE BOARD EXAMINATION
December		REVISION
January		SECOND PRE BOARD EXAMINATION

There will be two papers in the subject.

Paper I (Theory): 3 hours - **80 marks**

Paper II (Project Work): **20 marks**

Paper I (Theory) – 80 marks

There will be one paper of three hours duration of 80 marks divided into three Sections A, B and C.

It will be **compulsory** for all candidates to attempt **Section A**.

Section A (60 Marks)

Section B/C (20 marks): Candidates will have a choice of attempting questions either from **Section B** or **Section C**.

Please refer council syllabus 2026 for details.

MATHEMATICS

Name of the Textbook: **MATHEMATICS Textbook for Class XII Part I and Part II**

Publisher: **NCERT**

Suggested Month	Topic Number	Name of the Topic
		Section-A
April	1(i)	Relations and Functions
	1(ii)	Inverse Trigonometric Functions
May	2(i)	Matrices
	2(ii)	Determinants
May - June	3(i)	Limits*, Continuity and Differentiability
July	3(ii)	Applications of Derivatives
		Section-B
	5	Vectors
		Section-C
	8	Application of Calculus in Commerce and Economics
	10	Linear Programming
July-August		COMPARATIVE EXAMINATION
		Section-A
August-September	3(iii)	Integrals
September	3(iv)	Differential Equations
October	4	Probability
		Section-B
	7	Application of Integrals
October – November	6	Three Dimensional Geometry
		Section-C
	9	Linear Regression

		Section-A
		Complex Numbers (to be taught in JJ section only)
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

Note: (1) Please refer to the Council Syllabus 2026 for details.

(2)* The topic 'Limits' to be taken from class XI.

There will be **two** papers in the subject:

Paper I: Theory (3 hours) – 80 marks

Paper II: Project Work – 20 marks

PHYSICS

Name of the Textbook: NCERT Physics – Class XII

Publisher: NCERT

Suggested Month	Topic Number	Name of the Topic Page
March-April	1	Electric Charges and Fields
	2	Electrostatic Potential and Capacitance
May	3	Current Electricity
June-July	4	Moving Charges and Magnetism
	5	Magnetism and Matter
July-August	COMPARATIVE EXAMINATION	
August	6	Electromagnetic Induction
	7	Alternating Current
	8	Electromagnetic Waves
September	9	Ray Optics and Optical instruments
	10	Wave optics
October	11	Dual nature of matter and radiation

	12	Atoms
	13	Nuclei
November	14	Semi conductor Electronics
		REVISION
November	FIRST PRE-BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE-BOARD EXAMINATION	

LIST OF PRACTICALS (According to ISC 2026 Syllabus)

Month	Expt. No.	Experiment
April	1	Using a metre bridge, determine the resistance of about 100 cm of (constantan) wire. Measure its length and radius and hence, calculate the specific resistance of the material.
	2	Verify Ohm's law for the given unknown resistance (a 60 cm constantan wire), plotting a graph of potential difference versus current. Also calculate the resistance per cm of the wire from the slope of the graph and the length of the wire.
May	3	To compare emfs of two cells using a potentiometer.
	4	To determine the internal resistance of a cell by a potentiometer.
July	5	From a potentiometer set up, measure the fall in potential (i.e. pd) for increasing lengths of a constantan wire, through which a steady current is flowing; plot a graph of pd (V) versus length (l). Calculate the potential gradient of the wire and specific resistance of its material. Q (i) Why is the current kept constant in this experiment? Q (ii) How can you increase the sensitivity of the potentiometer? Q (iii) How can you use the above results and measure the emf of a cell?
	6	To verify the laws of combination of resistances (series and parallel) using metre bridge.

August	7	To find focal length of a convex lens by using u-v method (no parallax method) Using a convex lens, optical bench/metre scales and two pins, obtain the positions of the images for various positions of the object; $f < u < 2f$, $u \sim 2f$ and $u > 2f$. Draw the following set of graphs using data from this experiments - (i) v against u . It will be a curve. (ii) Magnification $m = \left(\frac{v}{u}\right)$ against v which is a straight line and to find focal length by intercept (iii) $y = (100/v)$ against $x = (100/u)$ which is a straight line and find f by intercepts.
September	8	To find f of a convex lens by displacement method.
	9	To determine the focal length of a given convex lens with the help of an auxiliary convex lens.
	10	To determine the focal length of a concave lens, using an auxiliary convex lens, not in contact and plotting appropriate graph.
		Practical examination (on ISC Board pattern)
October	11	To determine focal length of concave mirror by using two pins (by u-v method).
	12	To determine the refractive index of a liquid by using a convex lens and a plane mirror.
November-December	13	To determine the focal length of a convex mirror using convex lens.
		Practical Examination (on ISC Board pattern)

Demonstration Experiments (The following experiments are to be demonstrated by the teacher):

1. To convert a given galvanometer into (a) an ammeter of range, say 2A and (b) a voltmeter of range 4V.
2. To study I-V characteristics of a semi-conductor diode in forward and reverse bias.
3. To study characteristics of a Zener diode and to determine its reverse breakdown voltage.

4. To study the characteristics of pnp/npn transistor in common emitter configuration.
5. To determine refractive index of a glass slab using a travelling microscope.
6. To observe polarisation of light using two polaroids.
7. Identification of diode, LED, transistor, IC, resistor, capacitor from mixed collection of such items.
8. Use of multimeter to (i) identify base of transistor, (ii) distinguish between n-p-n and p-n-p type transistors, (iii) see the unidirectional flow of current in case of diode and an LED, (iv) check whether a given electronic component (e.g. diode, transistors, IC) is in working order.
9. Charging and discharging of a capacitor.

The following guidelines are applicable for the Council's examination 2026.

There will be two papers in the subject.

Paper I: Theory – three hours ... 70 marks

Paper II: Practical – three hours ... 15 marks

Project work: 10 marks

Practical File: 5 marks

Project work – 10 marks

The project work is to be assessed by a Visiting Examiner appointed locally and approved by the Council.

All candidates will do project work involving some physics related topics, under the guidance and regular supervision of the Physics teacher.

Candidates are to prepare a technical report formally written, including an abstract, some theoretical discussion, experimental setup, observations with tables of data collected, analysis and discussion of results, deductions, conclusion, etc. (after the draft has been approved by the teacher). The report should be kept simple, but neat and elegant. No extra credit shall be given for type-written material/decorative cover, etc. Teachers may assign or students may choose any one project of their choice.

Practical File – 5 marks

The visiting examiner is required to assess students on the basis of the Physics practical file maintained by them during the academic year

Note: For further details please refer to the Council's syllabus for ISC examination 2026.

CHEMISTRY

Name of the textbook: **NCERT Chemistry A textbook of Class XII Part I, II**

Suggested Month	Topic Number	Name of the Chapter
April- June	1	Solutions
	5	Coordination Compounds
	6	Haloalkanes and Haloarenes
	7	Alcohols, Phenols and Ethers
July	2	Electrochemistry
July	COMPARATIVE EXAMINATION	
August	3	Chemical Kinetics
	4	d and f Block Elements
September	8	Aldehydes, Ketones and Carboxylic Acids
October	9	Organic Compounds containing Nitrogen
November	10	Biomolecules
		REVISION
November	FIRST PRE-BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE-BOARD EXAMINATION	

PRACTICALS

S. No.	LIST OF PRACTICALS
	July to September
1	Qualitative Analysis
2	Study of the rate of reaction
3	Electrochemistry
4	Project work
5	Titrations
	October to December
6	Identification of Organic compounds and functional groups
7	Characteristic tests of carbohydrates and proteins
8	Experiments related to pH change using pH paper or universal indicator

Note:

There will be **two** papers in the subject.

Paper I (Theory): Three hours (70 marks)

Paper II (Practical): Three hours (15 marks), project work (10 marks) and practical file (5 marks)

Paper II (Practical):

- **Practical (15 marks)**
- **Project Work (10 marks):** The candidate is to creatively execute one project / assignment on a selected topic of Chemistry. Teachers may assign or students may choose any one project of their choice.

Practical File (5 marks): Teachers are required to assess students on the basis of the Chemistry Practical file maintained by them during the academic year.

Refer to the Council Syllabus 2026 for details.

BIOLOGY

Name of the Textbook: **NCERT BIOLOGY – A textbook for Class XII**

Suggested Month	Topic Number	Name of the Chapter
April-May	1(i)	Sexual Reproduction in Flowering Plants
	1(ii)	Human Reproduction
	1(iii)	Reproductive Health
June	2(ii)	Molecular Basis of Inheritance
July	2 (i)	Principles of Inheritance and Variation
July	COMPARATIVE EXAMINATION	
August-September	2(iii)	Evolution
	3(ii)	Microbes in Human Welfare
October	3(i)	Human Health and Diseases
	4(i)	Biotechnology - Principles and Processes

	4(ii)	Biotechnology and its Applications
	5 (i)	Organisms and Populations
November	5 (ii)	Ecosystem
	5 (iii)	Biodiversity and its Conservation
		REVISION
November	FIRST PRE-BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE-BOARD EXAMINATION	

LIST OF PRACTICALS

1.	Taxonomy
(i)	Family Malvaceae – type – China rose / Hollyhock.
(ii)	Family Leguminosae – subfamily – Papilionaceae – type – Sweet pea / Pea / Bean / <i>Sesbania</i> / <i>Clitoria</i> (single flower).
(iii)	Family Solanaceae – type – <i>Petunia</i> / <i>Datura</i> / Brinjal flower / <i>Solanum nigrum</i> .
(iv)	Family Liliaceae – type – Onion OR Amaryllidaceae – type – Lily/ Spider lily / Tiger lily / Tube rose / <i>Gladiolus</i> .
(v)	Family Cruciferae: type – mustard, candytuft (<i>Iberis</i> sp)
(vi)	Family Compositae (Asteraceae): type sunflower, <i>Chrysanthemum</i> , <i>Cosmos</i> , <i>Dahlia</i> , Marigold.
2.	Experiments
(i)	Study of arrangement/distribution of stomata in dicot and monocot leaves.
(ii)	Study of soils from two different sites
(iii)	Study the effect of enzyme (amylase) action at three different temperatures and pH on starch solution.
(iv)	Isolation of DNA from available plant material.
3.	Slide preparation
(i)	Germination of pollen grain in a nutrient medium.
(ii)	T.S. of ovary of a flower (marginal/axile placentation)
(iii)	T.S. of a hydrophyte stem
(iv)	T.S. of a xerophytic leaf (<i>Nerium</i>)
(v)	L.S. of monocot and dicot seed

4.	Spotting
(i)	Identify and comment on the following:
(a)	T.S. of ovary of mammal
(b)	T.S. of testis of mammal
(c)	Germinating pollen grain
(d)	T.S. of ovary to show the types of placentation. (marginal, axile, basal (LS), parietal)
(e)	T.S. of blastula / blastocyst of a mammal
(f)	<i>Plasmodium</i> sporozoite (whole mount)
(g)	<i>Entamoeba histolytica</i> trophozoite (whole mount).
(h)	Specimen of <i>Ascaris</i> .
(ii)	Comment upon ecological adaptations of plants and animals.
(iii)	Flowers adapted to pollination by different agencies – insect and wind.

Note:

There will be **two** papers in the subject.

Paper I Theory: (Three hours) ... 70 marks

Paper II Practical: (Three hours) ... 15 marks, Project work: (10 marks), Practical File: (5 marks)

S.No.	UNIT	TOTAL WEIGTAGE
1.	Reproduction	16 Marks
2.	Genetics and Evolution	15 Marks
3.	Biology and Human Welfare	14 Marks
4.	Biotechnology and its Application	10 Marks
5.	Ecology and Environment	15 Marks
	Total	70 Marks

Please refer to the Revised Council Syllabus 2026 for details.

COMPUTER SCIENCE

Name of the Textbook: Understanding ISC Computer Science
(Java with BlueJ) Class XII
Author: V K Pandey and D K Dey
Publisher: Avichal Publishing Company

Suggested Month	Chapter No	Name of the Chapter	Page
April-July	1	Boolean Algebra	1
	2	Computer Hardware	66
	3	Implementation of Algorithm to Solve Problems	124
	4	Objects and Classes (Revision)	141
	5	Data Types and Variables	159
	6	Statements and Scope	186
	10	Class as User Defined and Constructors	411
	9	Methods (Functions) including passing of objects	364
	7	String Manipulations	243
	8	Arrays	298
		Exception Handling and File Handling (No programs)	
	13	Data Structures (only Memory address calculation)	605
REVISION			
July	COMPARATIVE EXAMINATION		
August	12	Inheritance, Interfaces and Polymorphism	520
	11	Recursion	479
September	11	Recursion (continued)	-
	13	Data Structures (Stack, Queue, Circular Queue, Dqueue, Infix, Postfix, Prefix)	581
October	13	Data Structures (Linked List and Trees)	609
November	14	Computational Complexity and Big O Notation	677
REVISION			
November	FIRST PRE BOARD EXAMINATION		
December	REVISION		
January	SECOND PRE BOARD EXAMINATION		

Please refer to the Council syllabus 2026.

There will be two papers in the subject:

Paper 1: Theory (three hours) ... 70 marks

Paper 2: Practical (three hours) ... 30 marks

Paper 1: (Theory) Paper 1 will be of three hours duration and be divided into two parts.

Part I: (20 marks) this part will consist of compulsory MCQs and short answer questions, testing knowledge, application and skills relating to the entire syllabus.

Part II: (50 marks) this part will be divided into **three** sections A, B and C. Candidates are required to answer **two** questions out of **three** from Section A (each carrying 10 marks) and **two** questions out of **three** from Section B (each carrying 10 marks) and **two** questions out of **three** from Section C (each carrying 5 marks). Therefore, a total of **six** questions are to be answered in Part II.

Note: Algorithms may be done along with the programs.

GEOGRAPHY

Name of the Textbook: 1. Fundamentals of Physical Geography Class XI (NCERT)
2. Fundamentals of Human Geography Class XII (NCERT)
3. Indian Physical Environment Class XI (NCERT)
4. India People & Economy Class XII (NCERT)
5. Practical Work in Geography I Class XI (NCERT)
6. Practical Work in Geography II Class XII (NCERT)

Publisher: NCERT

Suggested Month	Name of the Chapter / Topic
April-July	1. Physical Environment
	(i) Locational Setting of India
	(ii) Structure of India
	(iii) Climate of India
	(iv) Natural Vegetation

	2. Population and Human Settlements
	(i) <i>Population of India</i>
	(ii) <i>National and state level patterns</i>
	(iii) <i>Pattern of population growth</i>
	(iv) <i>Migration trends</i>
	(v) <i>Demographic attributes</i>
	(vi) <i>Rural settlements</i>
	(vii) <i>Urban settlements</i>
	3. Resources of India and their Utilization
	(i) <i>Need for environmental management</i>
	(ii) <i>Land resources</i>
	6. Regional Economic Development (Case Studies)
	MAP WORK related to the Chapters One practical and Project to be done
	REVISION
July	COMPARATIVE EXAMINATION
August- November	(iii) <i>Water Resources and types of irrigation</i>
	(iv) <i>Agriculture</i>
	(v) <i>Fishing in India</i>
	(vi) <i>Sources of energy</i>
	4. Infrastructural Resources (Transport and Communication)
	5. Industries
	(i) <i>Agro based industries</i>
	(ii) <i>Mineral based industries</i>
	MAP WORK related to the Chapters One practical to be done
	REVISION
November	FIRST PRE BOARD EXAMINATION
December	REVISION
January	SECOND PRE BOARD EXAMINATION

Note: Map Work will be done simultaneously along with the Chapters as per the Council Syllabus.

Please refer to the council syllabus 2026 for details.

Practical work: 10 marks

Project work: 10 marks

Viva voce 10 marks

Theory: 70 marks

BIOTECHNOLOGY

Name of the Textbook: **ISC Biotechnology**

Author: **Tripathi, Saxena, Pandey**

Publisher: **Nageen Prakashan Pvt Ltd.**

Suggested Month	Topic Number	Name of the Topic
April-July	1	Molecular Biology
	(i)	Nucleic Acids
	(ii)	Protein Synthesis
	(iii)	Gene Regulation in Prokaryotes
	2	Genetic Engineering
	(i)	Introduction to Gene Cloning and Genetic Engineering
	2 (ii)	Innovations in Biotechnology
July	COMPARATIVE EXAMINATION	
August	2 (iii)	Gene Analysis Techniques
	3	Cell Culture Technology
	(i)	General Tools and Techniques used in Cell Culture Technology
September- October	3 (iii)	Plant Tissue Culture and its Application
	(ii)	Microbial Culture and its Application
	3 (iv)	Animal Cell Culture and its Application
November	4	Bioinformatics
	(i)	Introduction to Bioinformatics

	(ii)	Genomics
	(iii)	Proteomics
		REVISION
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

LIST OF PRACTICALS

1	Paper Chromatography
2	Preparation of buffers
3	Preparation of culture media
4	Sterilization of Culture medium and other materials
5	Preparation of various forms of culture media – Petri plate, Slant and Suspension
6	Inoculation and Incubation of <i>Lactobacillus</i> on the culture medium in the Petri plate
7	Identification of bacteria by Gram +ve and Gram –ve (from curd / saliva / soil solution)
8	Action on Enzyme on starch under (i) variable temperature (ii) variable substrate concentration – plotting of Km value by graph
9	Isolation of DNA from plants
10	DNA estimation by colorimeter by DPA method
11	Protein estimation by colour reaction – Bradford test
12	Cell viability test by Evan's blue dye
13	Isolation of Milk protein – wet weight and dry weight
14	Chromatography to find adulteration in spices by using mixture of Turmeric and metanil yellow.
15	Demonstration of cell counting by Haemocytometer by using diluted blood.
16	Experiment to show the process of saponification.

Note:

There will be two papers in the subject.

Paper I Theory: (Three hours) ... 70 marks

Paper II Practical: (Three hours) ... 15 marks, Project Work: 10 marks, Practical File: 5 marks

Paper I: Theory (70 marks) there will be one paper of three hours duration divided into three parts.

Please refer to the Council Syllabus 2026 for details.

PHYSICAL EDUCATION

Name of the Textbook: Saraswati Physical Education for Class XII (ISC) [Revised Edition 2025]

Author: Dr V K Sharma

Publisher: New Saraswati House (India) Private Limited

Suggested Month	Chapter Number	Name of the Chapter	Page
April-July	1	Sociological Aspects of Physical Education	3
	2	Training Methods	14
		Any two games of your choice: Cricket, Football, Basketball, Volleyball and Badminton	
		Practical Assessment	
		Physical Efficiency Tests	
		REVISION	
July	COMPARATIVE EXAMINATION		
August-November	3	Career Aspects in Physical Education	42
	4	Competitions and Tournaments	62
	5	Health Education and Health Problems	97
	6	Sports Injuries and First Aid	145
		Any two games of your choice: Cricket, Football, Basketball, Volleyball and Badminton	

	Practical Assessment	
	Physical Efficiency Tests	
	REVISION	
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

There will be **two** papers in the subject.

Paper I: Theory: 3 hours ... 70 marks;

Paper II: Practical Work ... 30 marks

* Please refer to the Council Syllabus 2026 for the Syllabus details.

ART (871)

Name of the Drawing Book: 1. Still Life by Sanjay Shelar
2. Alankar Part 5 by Chaman Kiran

Publisher: 1. Jyotsana
2. Nageen Prakashan

Months	Topics	No. of sessions
April	Still Life	
	Pickling session mangoes, spices, etc.	6
	Still Life	
	A group of kitchen utensils	6
	Craft	
	Pattern design	4
	Original Imagination	
	Scene of your school library	6
May	Craft – Independence Day Poster	(22)
	Original Imagination	
	Family picnic scene	6
		(6)
July	COMPARATIVE EXAMINATION	

August	Still Life	
	Group of snacks, chips, burger, juices	7
	Still Life	
	Group of breakfast items: sandwich, milk, etc.	6
	Original Imagination	
	Bus stop scene	6
		(19)
August	Still Life	
	Group of objects from temple, pooja items	6
	Original Imagination	
	Railway station scene	6
	Craft	
	Poster for Save Water	5
	Craft	
	Poster for Annual Sports Day	5
		(22)
September	Original Imagination	
	Living Room scene	6
	Craft	
	A scene from a novel	5
		(11)
October- November	Still Life	
	Basket full of fruits and vegetables	6
	Craft	
	Front cover of your daily journal	6
	Craft	
	Design a festival card	6
	Revision	(18)
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

Note: Please refer to the Council Syllabus 2026 for further details.

SOCIOLOGY

Name of the Textbook: Indian Society – Textbook in Sociology
for Class XII

Publisher: NCERT

Suggested Month	Chapter Number	Name of the Chapter
April - May	1	Social Institutions
	2	Religion and Society
	3	Political Organisation
July	4	(i) Economic Organisation
		(ii) Economies of Indian tribes
July	COMPARATIVE EXAMINATION	
August	4	(iii) Agrarian Economy
		(iv) Traditional Markets
	5	Tribal India – Past + Present & Future (i, ii, iii)
		Submission of 1st Project
September	6	Social Stratification (i, ii, iii)
October	7	Social Change & Development(i, ii, iii, iv, v)
		Submission of 2nd Project
November	REVISION	
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

There will be **two** papers in the subject:

Paper I – Theory: 3 hours ... 70 marks

Part II – Practical Work ... 30 marks

Note: Please refer to the Council Syllabus 2026 for further details.

FASHION DESIGNING

CLASS XII

Name of the textbook: Course of Fashion Design – Study
Content Class XII

Author: Mrs Shipra Anand

Publisher: Self Published by the Author

Suggested Month	Chapter Number	Name of the Chapter
April - July	1	Introduction to Textiles
	2	Textile Fibres
	6	History of Fashion in Europe 1901-1950
	5(A)	Significance of Colours
	5(B)	Textiles of India
	3	Yarns
July	COMPARATIVE EXAMINATION	
August	4	Fabric Construction Techniques
	5	Textiles in India (C, D)
September	8	Traditional Costumes of Women in India
October	7(A)	History of Fashion in Europe 1960s
	7(B)	History of Fashion in Europe 1971-80s
November	7(C)	New Developments in use of Materials & Influences of Art & Celebrities
	9	Traditional Costumes of Men in India
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

LIST OF PRACTICALS

Suggested month	Practical No.	Topics
April & May	1.	Fabric Swatches
	2.	Fibre Identification (12)

May & June	3.	Macrame Knots (10)
	4.	Leaf and Vegetable printing (3)
July	5.	Basic Weaves (9)
August	6.	Tie & Dye (16)
October	7.	Renovation and Repair, Darning & Patchwork
	8.	Laundering & Finishing of Textiles
	9.	Newspaper clippings of Textile invention & Developments during current academic year.

There will be **two** papers in the subject.

Paper I – Theory: 3 hours – (70 Marks)

Paper II: Practical (30 marks)

Note: Please refer to the Council Syllabus 2026 for further details.

POLITICAL SCIENCE

Name of the Textbook: ISC Political Science – XII

Author: K K Ghai

Publisher: Kalyani

Suggested Month	Chapter Number	Name of the Chapter
April-July	1	Forms of Government: Totalitarian, Authoritarian and Liberal Democratic States
	2	Forms of Government: Unitary and Federal States
	3	Forms of Government: Parliamentary and Presidential Governments
	4	Constitution
	5	Franchise and Representation

	11	Directive Principles of State Policy
	6	Organs of the Government: Legislature
	10	Fundamental Rights
July		COMPARATIVE EXAMINATION
August - November	7	Organs of the Government: Executive
	8	Organs of Government: Judiciary
	9	Constitution of India: The Preamble
		Indian Constitution: Salient Features of Indian Constitution
	12	Local Self Government
	13	Democracy
		REVISION
November		FIRST PRE-BOARD EXAMINATION
December		REVISION
January		SECOND PRE-BOARD EXAMINATION

Note:

There will be two papers in the subject:

Paper I: Theory 3 hours – 80 Marks

Paper II: Project Work – 20 Marks

Please refer to the Council Syllabus 2026 for details.

LEGAL STUDIES

Suggested Month	Chapter Number	Name of the Chapter
April-May	Unit 1	Law of Crimes
	Unit 2	Alternate Dispute Resolution (ADR)
June	Unit 3	Legal Services Authority Act
July	COMPARATIVE EXAMINATION	
August	Unit 4 + 5	Indian Contract Act + Law of Torts
September	Unit 6 + 7	Transfer of Property Act + Fundamental Rights, Duties and Directive Principles of State Policy
October	Unit 8	Important Laws
November	Unit 9	Legal Maxims
November	FIRST PRE BOARD EXAMINATION	
December	REVISION	
January	SECOND PRE BOARD EXAMINATION	

There will be **two** papers in the subject:

Paper I – Theory: 3 hours – 70 marks

Paper II – Project Work – 30 marks

Note: Please refer to the Council Syllabus 2026 for further details

Mass Media & Communication

Suggested Month	Name of the Chapter
April	Television
May	Journalism
July	Radio
July	COMPARATIVE EXAMINATION
August	Cinema and New Media
September	Revision
October	Social Media
November	Communication & Media Convergence
November	FIRST PRE BOARD EXAMINATION
December	REVISION
January	SECOND PRE BOARD EXAMINATION

Note: Please refer to the Council Syllabus 2026 for further details