



NOPANY HIGH

(I.C.S.E. & I.S.C Affiliated)
2-C, Nando Mullick Lane, Kolkata - 700006

Syllabus

Academic Session: (2024-2025)

Class: XI (Sci) (Unit –II)

SUBJECT : English Language

Textbook Name : Total English book Publisher

Publisher : Morning star

MONTH	TOPIC	NO. OF PERIODS	WORKSHEETS/ACTIVITY
October, '24	1. Relective essay 2. Speech Writing	4	
			Worksheet
November, '24	1. Statement of Purpose 2. Grammar	3	
		4	
			Worksheet
December, '24	1. Comprehension 2. Article	4	
		1	
	3. Class Test	1	Worksheet
January '25	1. Report writing	6	
	2. Proposal writing		
		1	Worksheet
February, 25			
	1. Revision	2	
	2. Class test	1	Worksheet

SUBJECT : English Literature**Textbook Name : Prism, Rhapsody and Macbeth****Publisher : Evergreen Publication and Oxford**

MONTH	TOPIC	NO. OF PERIODS	WORKSHEETS/ACTIVITY
Oct'24	<ul style="list-style-type: none">• Why I Liked the Hospital	3	
	<ul style="list-style-type: none">• Class Test	1	Worksheet will be provided
	<ul style="list-style-type: none">• Strange Meeting	3	
Nov'24	<ul style="list-style-type: none">• Advice to Youth	5	
	<ul style="list-style-type: none">• Class Test	1	
	<ul style="list-style-type: none">• Death of a Naturalist	5	Worksheet will be provided
Dec'24	1. The Great Automatic Grammatizator	8	
	2. Class Test	1	
	3. Macbeth Act II	1	Worksheet will be provided
Jan'25	1. Macbeth Act II	10	
	2. Class test	1	Worksheet will be provided
Feb 25			
	1. Class test	1	
	2. Revision	4	
Project	Comparative study of Tragic Heroes in Greek and Shakespearean Drama		Submission date: 2nd December 2024

Note: No of periods mentioned above may vary

SUBJECT : Hindi

Textbook 1. Name : व्याकरण मंजूषा
Publisher : एवरग्रीन पब्लिकेशन
Text book 2. Name : गद्य संकलन
Publisher : एवरग्रीन पब्लिकेशन
Text book 3 Name : काव्य मंजरी
Publisher : एवरग्रीन पब्लिकेशन
Text book 4 Name : सारा आकाश (उपन्यास)
Author : राजेन्द्र प्रसाद

MONTH	TOPIC	NO. OF PERIODS	WORKSHEETS/ACTIVITY
Sep'24 Oct'24	1.सती	2	Worksheet will be provided
		2	
	मुहाबरे और लोकोक्तियां	3	
	2. अशुद्ध वाक्यों को शुद्ध करिए	3	Worksheet will be provided
	Class Test	1	
	3. आ:धरती कितना देती है	2	
Nov'24	1.आ: धरती कितना देती है	3	Worksheet will be provided
	Class Test	1	
	2. अपठित गद्यांश	2	Worksheet will be provided
	Class Test	1	
	3. निबंध लेखन	2	
Dec'24	सारा आकाश	3	Worksheet will be provided
	Class Test	1	
	2. आउटसाइडर	4	Worksheet will be provided
	Class Test	1	
	3. तुलसीदास जी के पद	3	Worksheet will be provided
Jan'25	सारा आकाश	3	
	निबंध लेखन	2	
	अपठित गद्यांश	2	
	Class Test	1	
Feb'25	सारा आकाश	2	
	अशुद्ध वाक्यों को शुद्ध करना	2	
	मुहाबरे और लोकोक्तियां	2	Worksheet will be provided
	निबंध लेखन	2	
	HindiProject परियोजना कार्य	2	रिश्वतखोरी और भ्रष्टाचार के कारण हमारे देश की छवि खराब हुई है- इस कथन को स्पष्ट करते हुए भ्रष्टाचार के बढ़ते प्रभाव के बारे में लिखिए।
	Revision Class		

SUBJECT : BENGALI (2nd lang)

Textbook Name : ISC প্রবন্ধ ও গদ্য সংকলন, ISC কবিতা সংকলন, কোনি

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY
Sept'24	অনাচার	2	Class notes
Oct'24	অনাচার	4	Class notes
	বর্ণ পরিচয়	4	
	Class test	2	
Nov'24	রেকর্ড	5	Class notes
	সালেমনের মা	4	
	Class Test	1	
Dec'24	বীরশুদ্ধা	6	Class notes
	Class test	1	
	বাবরের প্রার্থনা	4	
	Project Discussion	1	Worksheet
Jan'25	কোনি	12	Class notes
	Class Test	2	
Feb'25	বাচ্য পরিবর্তন	1	Activity
	বাক্য পরিবর্তন	1	
	ভুল সংশোধন	1	
	বাগধারা	1	
	বিভিন্ন প্রকার শব্দ	1	
	সম্ভারিত ভিন্নার্থক শব্দ	1	
	বোধ পরীক্ষণ	1	
Project	প্রবন্ধ লেখো - Topic : লোকাচার ও কুসংস্কার		

SUBJECT : MathematicsTextbook Name : *ISC Mathematics (XII) (Volume I & II)*Author : *M L AGGARWAL*Publisher : *Avichal Publishing Company*

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS /ACTIVITY
OCT'24	SECTION - A	5	Worksheet will be provided
	1. PERMUTATIONS AND COMBINATIONS <ul style="list-style-type: none"> • <i>Factorial notation.</i> • <i>Fundamental principle of counting .</i> • <i>Permutations</i> • <i>Combinations ..</i> 		
	Class Test	1	

NOV'24	2. BINOMIAL THEOREM <ul style="list-style-type: none"> • <i>Significance of Pascal's triangle</i> • <i>Binomial theorem</i> 	5	Worksheet will be provided
	3. SEQUENCE AND SERIES <ul style="list-style-type: none"> • <i>Arithmetic Progression (A . P)</i> • <i>Geometric Progression (G . P)</i> • <i>Special sums .</i> 	10	
DEC'24	4. Relations & Functions <ul style="list-style-type: none"> • <i>Revision</i> 	1	Worksheet will be provided
	Class Test	1	
	5. Trigonometry <ul style="list-style-type: none"> • <i>Angles and Arc lengths</i> • <i>Trigonometric Functions</i> • <i>Compound and multiple angles</i> • <i>Revision</i> <p><i>NOTE: Graphs of $\sin x$, $\cos x$, $\tan x$, $\sec x$, $\operatorname{cosec} x$ and $\cot x$ are to be included</i></p>	02	Worksheet will be provided
	Class Test	1	
	6. Complex Numbers <ul style="list-style-type: none"> • <i>Revision</i> 	1	Worksheet will be provided
	Class Test	1	
	7. CALCULUS <ul style="list-style-type: none"> • <i>Limits</i> • <i>Differentiation</i> <p><i>NOTE: Indeterminate forms are to be introduced while calculating limits .</i></p>	8	Worksheet will be provided
	Class Test	1	
	8. CIRCLES <ul style="list-style-type: none"> • <i>Equations of a circle.</i> • <i>Given the equation of a circle , to find the centre and the radius .</i> • <i>Finding the equation of a circle .</i> 	4	Worksheet will be provided
	Class Test	1	
JAN' 25	9. Straight Lines <ul style="list-style-type: none"> • <i>Revision</i> 	2	Worksheet will be provided
	Class Test	1	
	• .		
	<p style="text-align: center;">SECTION B</p> <p>Conic Section</p> <p>Sections of a cone, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section.</p>	10	Worksheet will be provided

	<ul style="list-style-type: none"> Standard equations and simple properties of parabola, ellipse and hyperbola. 		
	Introduction to three Dimension Geometry		
	Class Test	1	
FEB' 25	SECTION C .Correlation Analysis . Index Number and Moving Average	8	Worksheet will be provided
	Class Test	1	

SUBJECT :Computer Science

Textbook Name : Understanding ISC Computer Science (Java with BlueJ) Class XI

Publisher : Arya Publishing Company

Author Name : Vijay Kumar Pandey and Dilip Kumar Dey

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY
Sept'24	Chapter 10: Methods (Functions)	2	
Oct'24	Chapter 10: Methods (Functions) cont.	4	Lab Activity
	Chapter 11: Class and Constructors	2	
	Class Test	1	
Nov'24	Chapter 11: Class and Constructors(Cont)	5	Lab Activity
	Chapter 9: Arrays:	5	
Dec'24	Chapter 9: Arrays (2D Arrays)	8	Lab Activity
	Class Test (Theory)	1	
Jan'25	Chapter 8: String Manipulations	7	Lab Activity
	Chapter 12: Basic Input/Output	4	Lab Activity
	Class Test	1	
Feb'25	Revision		
Project			10 programs on Functions, Arrays and Strings. List of programs already provided.

***All Unit-I chapters are included in Unit-II**

*** Note: No. of Periods mentioned may vary**

SUBJECT : BIOLOGY

Text Book : ISC Srijan Biology XI
Publisher : Srijan Publishers Private Limited
Author : Veer Bala Rastogi

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY
October'24	UNIT 3: Cell Structure And Function Chapter 9: Biomolecules	6	Worksheet will be provided
	UNIT 3: Plant physiology Chapter 13: Photosynthesis	3	Worksheet will be provided
November'24	UNIT 3: Plant physiology Chapter 13: Photosynthesis	3	Worksheet will be provided Activity.
	Class Test	1	
	UNIT 4: Human Physiology Chapter 21: Neural control and coordination	6	Worksheet will be provided
	UNIT 3: Plant physiology Chapter 15: Plant growth and development	4	Worksheet will be provided
	UNIT 4: Human Physiology Chapter 22: Chemical coordination and integration	3	Worksheet will be provided
	Class test	1	
December'24	UNIT 4: Human Physiology Chapter 22: Chemical coordination and integration	2	Worksheet will be provided Activity.
	UNIT 1: Diversity in Living Organisms Chapter 4: Animal Kingdom	4	Worksheet will be provided
	UNIT 2: Structural Organisation of Animals and Plants. Chapter 5: Morphology of flowering plants.	4	Worksheet will be provided
January'25	UNIT 2: Structural Organisation of Animals and Plants. Chapter 7: Morphology and anatomy of frog.	3	Worksheet will be provided
	Class Test	1	
	Revision	10	

February '25	Revision	5	Worksheet will be provided
REVISION CHAPTERS	All chapters of Unit-I are included in the syllabus		
Practical	Will be conducted as per ISC guidelines		
Project	Project topics same as the UNIT 1		
<i>*Please note that the no. of periods mentioned here are approximate.*</i>			

SUBJECT : PHYSICS

Text Book : Nootan ISC Physics for Class-XI

Publisher : Nageen Prakashan

Text Book for Physics Practical: ISC Practical Physics (Vol-I) for Class XI

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY
September'24	1. Motion of System of Particles and Rigid Body	10	Worksheet will be provided
	Class Test	2	
October'24	1. Motion of System of Particles and Rigid Body	10	Worksheet will be provided
	Class Test	2	
November'24	1. Motion of System of Particles and Rigid Body	8	Worksheet will be provided
	2. Gravitation	2	
	Class Test	2	
December'24	2. Gravitation	6	Worksheet will be provided
	3. Properties of Matter	4	
	Class Test	2	
January'25	3. Properties of Matter	2	Worksheet will be provided
	4. Heat and Thermodynamics	8	
	Class Test	2	
February'25	5. Behavior of Perfect Gas and Kinetic Theory of Gases	4	Worksheet will be provided
	Class Test	2	
❖ Practicals	As per ISC guidelines (Will be discussed in class)		
❖ Project	(Will be discussed in class)		
(The above mentioned periods are approximate)			

SUBJECT : Chemistry

Textbook Name :ISC Chemistry
Author : K.L Chugh
Publisher : KaltanKalyani
Practical Book : Nova ISC Chemistry Lab Manual (classXI)
Publisher : Nova Publications

MONTH	TOPIC	NO. OF PERIODS	WORKSHEETS/ACTIVITY
Oct'24	Ch -7 : Redox	4	
Oct ' 24	Ch- 8 : Organic Chemistry	6	
	Class Test	1	Worksheet will be provided
Nov'24	Ch-9 : Hydrocarbon	12	
	Class Test	1	
Dec'24	Ch-9 : Hydrocarbon	8	
	Class Test	1	Worksheet will be provided
	Ch-1: Some basic concepts of Chemistry	4	
Jan'25	Ch- 6 : Equilibrium	8	
	Ch- 5 : Chemical Thermodynamics	7	
Feb'25	Ch - 5 : Chemical Thermodynamics	5	
	Revision & pending Work		Worksheet will be provided

- Project will be discussed in class.

The above mentioned periods are approximate

All chapters of Unit-I will be include in Unit-II

SUBJECT : ENVIRONMENTAL SCIENCE

Textbook Name : ISCENVIRONMENTAL SCIENCE
Author : AMITA GANGULY
Publisher : MARINA

MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY
Oct'24	CH- 5 Technology and Environment	4	Worksheet will be provided
	Class Test	2	
Nov'24	CH- 5 Technology and Environment	5	Worksheet will be provided
	Class Test	2	
Dec'24	CH- 6	10	Worksheet will be provided

	Design and Planning for Sustainable Development		
	Class Test	2	
	REVISION		Worksheet will be provided
Jan'25	Sample Paper Practice		
REVISION CHAPTERS	CH-2 ECOLOGY		
	CH-3 POLLUTION		
	CH-4 LEGAL REGIMES FOR SUSTAINABLE DEVELOPMENT		

The above mentioned periods are approximate

SUBJECT: PHYSICAL AND HEALTH EDUCATION

MONTH	TOPIC	NO. OF PERIODS	ACTIVITY
September '24	1. Fitnessgram	4	<ul style="list-style-type: none"> • Free Hand Exercises
	2. Cricket	4	<ul style="list-style-type: none"> • Rules Ragulations • Techniques And Skills
October '24	1. Fitnessgram	4	<ul style="list-style-type: none"> • Free Hand Exercises
	2. Badninton	4	<ul style="list-style-type: none"> • Rules Ragulations • Techniques And Skills
November '24	1. Mass Drill & Fitnessgram	4	<ul style="list-style-type: none"> • Callisthenics, Aerobics & Yoga.
	2. Basket Ball	4	<ul style="list-style-type: none"> • Rules Ragulations • Techniques And Skills
December '24	1. Mass Drill & Fitnessgram	4	<ul style="list-style-type: none"> • Callisthenics, Aerobics & Yoga.
	2. Football	4	<ul style="list-style-type: none"> • Rules Ragulations • Techniques And Skills
January '25	1. Mass Drill & Fitnessgram	4	<ul style="list-style-type: none"> • Callisthenics, Aerobics & Yoga.
	2. Table Tennis, Chess & Carrom	4	<ul style="list-style-type: none"> • Rules Ragulations • Techniques And Skills

SUBJECT : SUPW

Textbook Name : No Book

MONTH	SUPW	NO.OF PERIODS	WORKSHEETS/ACTIVITY
October'24 to November' 24	Project 2	6	Adult Literacy