

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

## Syllabus for Unit-I

Academic Session: (2025-2026)

Class-XII(Comm.)

#### **SUBJECT : ENGLISH LANGUAGE Textbook Name** : Total English Publisher : Morning Star MONTH TOPIC NO. OF WORKSHEETS/ACTIVITY PERIODS April'25 1. Statement of 4 Purpose 2. **Class Test** 1 3. Test paper 2 1 Worksheet (grammar) 1. Film Review May'25 4 Worksheet June'25 1. Cultural 3 Worksheet review July'25 1. Test paper 3 1 1 2. Test paper 4 3. Test paper 5 1 4. Test paper 6 1 Worksheet 5. Class test 1 6. Proposal 2 writing ( revision) 7. Article writing 2 (revision) 1. Report writing 2 Worksheet Aug'25 (revision) 2 2. Speech Writing (revision) 2 3. Test paper 7 and 8 Oct'25 1. Test paper 9 1 2. Test paper 10 1 3. Class test 1 Worksheet 1 4. Test paper 11

	5. Test paper 12	1	
Nov'25	1. Test paper 13	1	
	2. Test paper 14	1	
	3. Test paper 15	1	
	4. Class test	1	Worksheet
	5. Revision	2	
Project	An Autobiographical experience		Submission date - 31st July 2024
	Note: The	above mentio	ned no. of periods may vary

SUBJECT : ENGLISH LITERATURE (SCIENCE, HUMANITIES AND COMMERCE)				
m, Rhapsody and Macbeth	,			
ΤΟΡΙΟ	NO. OF PERIODS	WORKSHEETS/ACTI VITY		
Atithi	8			
Indigo	5			
Small Towns and Rivers	3			
Tithonus				
There Will Come Soft Rains	5			
The Cookie Lady	5			
Death Not be Proud	2			
Macbeth Act III	5			
Macbeth Act IV	5			
		Sample Questions		
Macbeth Act V	8			
Telephonic Conversation	3			
Beethoven	3			
The Medicine Bag	5			
Revision		ISC Paper Solve		
To be discussed in class		Submission Date - 1st August 2025		
	m, Rhapsody and Macbeth cgreen Publication and OxfordTOPICAtithiAtithiIndigoSmall Towns and RiversTithonusThere Will Come Soft RainsThere Will Come Soft RainsDeath Not be ProudDeath Not be ProudMacbeth Act IIIMacbeth Act IVTelephonic ConversationBeethovenThe Medicine Bag Revision	rgreen Publication and OxfordTOPICNO. OF PERIODSAtithi8Indigo5Small Towns and Rivers3Tithonus3There Will Come Soft Rains5Death Not be Proud2Macbeth Act III5Macbeth Act IV5Macbeth Act IV3Telephonic Conversation3The Medicine Bag5Revision1		

SUBJECT : Hindi				
Publisher Text book 2 Publisher Text book 3 Publisher Text book 4	Name : व्याकरण मंजूषा : एवरग्रीन पब्लिकेश . Name : गद्य संकलन : एवरग्रीन पब्लिके . Name : काव्य मंजरी : एवरग्रीन पब्लिकेश . Name : सारा आकाश ( : राजेन्द्र प्रसाद	शन 1न		
MONTH	TOPIC	NO. OF PERIODS	WORKSHEETS/ACTIVITY	
April 25	1.दासी	5	Worksheet will be provided	
	Class Test	1		
	2. नदी के द्वीप	5	Worksheet will be provided	
	Class Test	1		
	3. मुहावरे	2		
May'25	Class Test	1		
	1. साराआकाश (उत्तरार्द्ध)	4	Worksheet will be provided	
	भाग 1 - 3 Class Test	1		
	2. अशुद्ध वाक्यों को शुद्ध	2		
	करिए Class Test	1		
Jun'25	1. क्या निराश हुआ जाए	5	Worksheet will be provided	
501125	Class Test	1	Worksheet will be provided	
	<ol> <li>सारा आकाश भाग 4 - 6</li> </ol>	4	Worksheet will be provided	
	Class Test	1		
	3. अपठित गद्यांश	2		
July'25	1. जाग तुझको दूर जाना	5	Worksheet will be provided	
	Class Test	1		
	सारा आकाश	4	Work sheet will be provided	
	भाग 7 - 10 Class test	1		
	निबंध लेखन	2		
Aug 25	अपठित गद्यांश	2		
	अशुद्ध वाक्यों को शुद्ध करिए निबंध लेखन	2		
	HindiProject परियोजना कार्य	2		
Sep 25	पारयाजना काय 1.भक्तिन	5	Work sheet will be provided	
	Class Test			
	2. उद्यमी नर	5		
	Class Test	1		
Octo	निबंध	2		
	1. संस्कृति क्या है	5		
	Class Test	1		
Nov 25	2 . मुहावरे	2		
Dec 25	बादल को  घिरते देखा है Class Test	5 1		
Dec 25	अपठित गद्यांश	2		
	सारा आकाश	2		
	अशुद्ध वाक्यों को शुद्ध करिए	2		
	निबंध	2		
	मुहावरे	2		

SUBJECT : Bengali (2nd language)				
Textbook N	lame : ISC প্রবন্ধ ও গদ্য সংকর্	নন, ISC কবিতা সংকলন		
Publisher : Power Publishers & Cambridge Educational Publishers				
MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY	
4				
Apriľ25	আদাব	2	Classnotes	
	লছমনের মা	8	Classnotes	
	যদি নির্বাসন দাও	2	Classnotes	
May'25	একটি তুলসি গাছের কাহিনী	6	Classnotes	
	Project Explanation	1		
June'25	রাস্তা কারোর একার নয়	4	Classnotes	
	স্বাধীনতা তুমি	4	Classnotes	
July'25	কোনি (chapter ৭-১১)	18	Classnotes	
Aug'25	না-পাহারার পরীক্ষা	4	Classnotes	
	নুন	2	Classnotes	
	কোনি (chapter ১২-১৩)	7	Classnotes	
	বোধ পরীক্ষন	2	Worksheet	
Oct'25	কোনি (chapter ১৪)	5	Classnotes	
	গল্প লিখন	2	Worksheet	
Nov'25	ব্যাকরণ	8	Worksheet	
	Revision	6		
Dec'25	Revision			

SUBJECT : ECONOMICS					
Textbook Nam	ne :ISC Economics				
Author	:D K Sethi				
Publisher	:Frank Bros & co.				
MONTH	ΤΟΡΙΟ	NO.OF PERIODS	WORKSHEETS/ACTIVITY		
April'25	1.Microeconomics and	2			
-	Macroeconomics Introduction.				

	2. Demand & Law of Demand.	9	Worksheets will be provided
	Class Test	1	
	3. Theory of Consumer Behaviour	7	Project will be given.
	4. Elasticity of Demand	8	Worksheets will be provided
	Class Test	1	
May'25	1 Supply – law of supply & price elasticity of supply	9	Worksheet will be provided
	2 Market Mechanism, Equilibrium Price and Quantity.	9	Worksheets will be provided.
June'25	1 Laws of Returns – Returns to Factors and Returns to Scale	8	
	Class Test	1	
	2.Cost & Revenue	3	
July'25	1 Cost & Revenue(continuation)	6	Worksheets will be provided
	2. Producer's Equilibrium	5	Worksheets will be provided
	3. Forms of Market	4	
	Class test	1	
	4. Determination of Equilibrium Price & Output under Perfect Competition	4	Worksheets will be Provided.
August'25	1. Money: Meaning & Functions	5	
	2. Banks: Commercial and Central Banks	8	Worksheets will be provided.
	Class Test	1	
	3. Fiscal Policy	7	Worksheets will be given
	4. Government Budget	6	
September'25	Revision	5	
	Unit 1		
October'25	1.Balance of Payment & Exchange Rate	6	Worksheets will be provided.
	2. NI and Circular Flow of Income.	4	Project -2 will be given.
	Class Test	1	
	Project	1	Project 2 discussed in class.
November'25	1 NI Aggregates	8	Worksheets will be provided.
	2 Methods of Measuring NI.	9	<b>k</b>
	Class Test	1	
December'25	Revision	8	Worksheets will be provided.
	Preboards		

	e : ISC Commerce Vol. II		
Author Dublisher	: C.B. Gupta : S. Chand		
Publisher	: S. Chand		
MONTH	TOPIC	NO. OF	WORKSHEETS/ACTIVITY
	UT-I	PERIODS	
April'25	1. Capital- Fixed and Working	4	Workshoots will be provided for the
April 25	<b>2.</b> Sources of Finance for a Joint	4	Worksheets will be provided for the mentioned chapters
		0	mentioned chapters
	Stock Company	8	
	Class Test	1	
May'25	1. Banking – Latest trends	3	Worksheets will be provided for the
	2. Marketing – Concept and	4	mentioned chapter
	Functions		
	3. Marketing Mix	6	
	Class Test	1	
June'25	1. Management – Meaning,	4	Worksheets will be provided for the
04110-20	Nature and Importance		mentioned chapters
	2. Principles of Management	6	
	Class Test	1	
July'25	1. Planning	7	Worksheets will be provided for the
	2. Organising	6	mentioned chapters
	3. Staffing	6	
	Class test	2	
August'25	1. Directing	8	
	2. Controlling	4	
	Class Test	2	Worksheets will be provided for the
			mentioned chapters
	Revision for UT-I	4	
PRE-BOARD			
October '25	1. Functions of Management and	3	Worksheets will be provided for the
	Coordination		mentioned chapters
	2. Business Environment		
	2. Business Environment	5	
	Class Test	-	
		2	
November	1. Consumer Protection	8	Worksheets will be provided for the
·25		č	mentioned chapters
	Class Test		
	Revision	1	
	KCV181011	4	
		4	

Projects as per CISCE guidelines will be discussed in the class.

	SUBJECT :	ACCOUNT	Ś
Textbook Nam	e : Double Entry Book Keeping and	l Management	Accounting
Author	: T.S. Grewal	C	
Publisher	: Sultan Chand		
MONTH	TOPIC	NO. OF	WORKSHEETS/ACTIVITY
MONIA	UT-I	PERIODS	WORKSHEETS/ACTIVITY
	01-1		
April'25	1. Financial Statement	2	Worksheets will be provided for the
	Analysis		mentioned chapters
	2. Comparative Statement and	8	
	Common Size Statement.		
	3. Ratio Analysis	10	
	<b>4.</b> Joint Stock Company –	6	
	Issue of Shares		
	Class Test	2	
May'25	1. Joint Stock Company –	5	Worksheets will be provided for the
	Issue of Shares		mentioned chapter
	2. Final Accounts of		
	Company, Schedule III,	6	
	Part I of the Companies		
	Act, 2013		
	Class Test	1	
June'25	1. Joint Stock Company –	5	Worksheets will be provided for the
_	Issue of Debentures		mentioned chapters
	2. Partnership Accounts –	8	
	Fundamentals	1	
	Class Test	1	
July'25	1. Joint Stock Company –	10	Worksheets will be provided for the
	Redemption of Debentures		mentioned chapters
	2. Partnership Accounts –	10	
	Fundamental		
	3. Goodwill: Concept and	10	
	Mode of Valuation		
	4. Admission of a Partner	6	
	Class Test	3	
August'25	1. Admission of a Partner	10	
	2. Retirement of a Partner	10	Worksheets will be provided for the
	3. Cash Flow Analysis	14	mentioned chapters
	Revision for UT-I	6	
PRE-BOARD			
	1. Death of a Partner	12	Worksheets will be provided for the
		12	mentioned chapters
October '25	2. Dissolution of Partnership		menuoneu enapters
	Firm	4	
	Class Test	-	
	Class Test		
		1	
		I	

November	1. Dissolution of Partnership	14	Worksheets will be provided for the	
<b>'</b> 25	Firm		mentioned chapters	
	Class Test Revision for Pre-board	2 8		
Note:				

- All mentioned periods are approximate
- All chapters of UT- I are included in Pre-board
- Projects as per CISCE guidelines will be discussed in the class.

#### **SUBJECT : BUSINESS STUDIES**

Textbook Name : ISC Business Studies				
Author	: C. B. Gupta			
Publisher	: Goyal Brothers Prak	ashan		
MONTH	ΤΟΡΙΟ	NO. OF PERIODS	WORKSHEETS/ACTIVITY	
April'24	Ch 1 - Introduction to Human Resource Management	3		
	Class Test	1		
	Ch 2 - Job Analysis and Manpower Planning	4		
	Class Test	1		
	Ch 3 - Staff Recruitment	3	Worksheet	
May'24	Class Test	1		
	Ch 4 - Staff Selection	3		
	Class Test	1		
	Ch 5 - Staff Training	4		
	Class Test	1		
June'24	Ch 6 - Staff Morale	3		
	Class Test	1		
	Ch 7 - Staff Motivation	4		
July'24	Class Test	1		
	Ch 8 - Staff Remuneration	4	Worksheet	
	Class Test	1		
	Ch 9 - Staff Leadership	3		
	Class Test	1		

	Ch 10 - Staff	3	
	Appraisal		
	Class Test	1	
	Ch 11 - Staff	3	
	Promotion and		
	Transfer		
	Class Test	1	
	Ch 12 - Staff	3	
	Separation		
	Class Test	1	
	Ch 13 - Emerging	1	
	Trends in Human		
	Resources		
August'24	Ch 14 - Business	6	
	Communication	-	
	Class Test	1	
October'24	Ch 16 - Reports and	3	
October 24	Report Writing	5	
	Class Test	1	
	Class Test	1	
	Ch 17 - Various	2	
	<b>Business Entities</b>		
	Class Test	1	
	Ch 18 - Sources of	5	
	<b>Business Finance</b>		
	Class Test	1	
November'24	Ch 19 - Globalisation	2	
	Class Test	1	
	Ch 20 - E Business	3	Worksheet
	Class Test	1	
	Ch 21 - Outsourcing	2	
	Class Test	1	
	Ch 22 - Business Regulators and Intermedaries	5	
December'24	Class Test	1	
	Ch 15 - Business Correspondence	4	

SUBJECT :COMPUTER SCIENCE				
	Textbook Name : Understanding ISC Computer Science (Java with BlueJ) Class XII			
Publisher	: Arya Publishing (	Company		
Author Name	Author Name : Vijay Kumar Pandey and Dilip Kumar Dey			
MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS/ACTIVITY	
		10		
April'25	Chapter 1:	10	Worksheet	
	Boolean Algebra			
May'25	Chapter 1:	12	Worksheet	

	Boolean		
	Algebra(Cont.)		
	Class Test (Theory)	1	
June'25	Chapter 2:	9	Worksheet
	Computer Hardware		
July'25	Chapter 2:	15	
	Computer		
	Hardware(Cont.)		
	Class Test (Theory)	1	
	Chapter 3:	3	
	Implementation of		
	Algorithms to Solve		
	Problems		
	Chapter 4:	1	Worksheet
	Objects and classes		
	Chapter 5:	1	Lab Activity
	Data Types and		
	Variables		
	Chapter 6:	2	
	Statements and Scope		
Aug'25	Chapter 7:	7	Lab Activity
	String Manipuations		
	Chapter 7:	7	Lab Activity
	Arrays		
	Chapter 8:	7	Lab Activity
	Methods		
Sept'25	Revision	5	
Oct'25	Chapter 12:	10	
	Inheritance, Interfaces		
	and Polymorphism		
Nov'25	Chapter 13:	8	
	Data Structure		
	Chapter 14:		
	Computational	2	
	Complexity		
Dec'25	Class Test (Theory)	1	
	Revision	4	
Project			Total 15 programs to be done as a part of Unit I project
			List of programs will be provided later.
			Total 15 programs to be done as a part of Unit II projec
			List of programs will be provided later.

\* Note: No. of Periods mentioned may vary

### SUBJECT: ENVIRONMENTAL SCIENCE

# Text book Name: ISC ENVIRONMENTAL SCIENCE Author : AMITA GANGULYPublisher: MARINA

MONTH	ΤΟΡΙϹ	NO.OF PERIODS	WORKSHEETS/ACTIVITY
April'25	1.HUMAN BEINGS	4	Worksheet will be provided
	Class Test	1	
	2.POPULATION ECOLOGY	6	Worksheet will be provided
	Class Test	1	

May'25	3.CONSERVATION ECOLOGY	6	Worksheet will be provided
	Class Test	1	
June'25	4.CONSERVATION ECOLOGY	8	Worksheet will be provided
	Class Test	1	
			Worksheet will be provided
July'25	5.POLLUTION MONITORING	6	Worksheet will be provided
	Class test	1	
August25	6. THE THIRD WORLD DEVELOPMENT	6	Worksheet will be provided
	Class test	1	
Sept'25	REVISION		Worksheet will be provided
Oct'25	7. ENVIRONMENTAL AND NATURAL	8	Worksheet will be provided
	RESOURCE		
	ECONOMICS		
	Class test	1	
Nov'25	8.INTERNATIONAL RELATIONS AND THE	8	Worksheet will be provided
	ENVIRONMENT		-
	Class test	1	
	REVISION		
Dec'24	PRE-BOARD		

SUBJECT: PHYSICAL TRAINING (P.T.) & GAMES.					
MONTH	TOPIC	NO. OF PERIODS	ACTIVITY		
	1. FITNESSGRAM	3	FREE HAND EXERCISES		
A	Class Test	1	FREE HAND EXERCISES		
April'24	2. CRICKET	3	RULES RAGULATIONS		
	Class Test	1	<ul> <li>TECHNIQUES AND SKILLS</li> </ul>		
	1. FITNESSGRAM	3	• FREE HAND EXERCISES		
Max'24	Class Test	1	TREE HAND EXERCISES		
May'24	2. BADNINTON	3	RULES RAGULATIONS		
	Class Test	1	TECHNIQUES AND SKILLS		
	1. MASS DRILL & FITNESSGRAM	3	• CALLISTHENICS, AEROBICS & YOGA.		
June'24	Class Test	1	100/1.		
	2. BASKET BALL	3	RULES RAGULATIONS		
	Class Test	1	TECHNIQUES AND SKILLS		
	1. MASS DRILL & FITNESSGRAM	3	<ul> <li>CALLISTHENICS, AEROBICS &amp; YOGA.</li> </ul>		
July'24	Class Test	1	TODA.		
-	2. FOOTBALL	3	RULES RAGULATIONS		
	Class Test	1	TECHNIQUES AND SKILLS		
	1. MASS DRILL & FITNESSGRAM	3	• CALLISTHENICS, AEROBICS & YOGA.		
	Class Test	1	100/1.		
August'24	2. TABLE TENNIS, CHESS & CARROM	3	RULES RAGULATIONS		
	Class Test	1	TECHNIQUES AND SKILLS		

	SUBJECT : MATHEMATICS				
Textbook N Author Publisher	ame : ISC Mathematics (XII) (Volume I & II) : M L AGGARWAL : Avichal Publishing Company				
MONTH	TOPIC	NO.OF PERIODS	WORKSHEETS /ACTIVITY		
April'25	<ul> <li>SECTION - A</li> <li>1. Relations and Functions <ul> <li>Relations as:</li> <li>Relation on a set A</li> <li>Identity relation, empty relation, universal relation.</li> <li>Types of Relations: reflexive, symmetric, transitive and equivalence relation.</li> </ul> </li> <li>Binary Operation: all axioms and properties <ul> <li>Functions:</li> <li>As special relations, concept of writing "y is a function of x" as y = f(x).</li> <li>Types: one to one, many to one, into, onto.</li> <li>Real Valued function.</li> <li>Domain and range of a function.</li> <li>Conditions of invertibility.</li> <li>Composite functions and invertible functions only).</li> </ul> </li> </ul>	5	Worksheet will be provided		
	Class Test	1			
	<ul> <li>2. Inverse Trigonometric Functions Definition, domain, range, principal value branch. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions. &gt; Principal values. &gt; sin<sup>-1</sup>x, cos<sup>-1</sup>x, tan<sup>-1</sup>x etc. and their graphs. &gt; -Formulae for 2sin<sup>-1</sup>x, 2cos<sup>-1</sup>x, 2tan<sup>-1</sup>x, 3tan<sup>-1</sup>x etc. and application of these formulae. </li> </ul>	5	Worksheet will be provided		
	Class Test	1			
	3. Matrices Concept, notation, order, equality, types of matrices,	6	Worksheet will be provided		

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	<ul> <li>zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices.</li> <li>Operation on matrices:</li> <li>Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication.</li> <li>Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order upto 3).</li> <li>Concept of elementary row and column operations.</li> <li>Invertible matrices and proof of the uniqueness of inverse, if it exists (here all matrices will have real entries).</li> </ul>		
May'25	<ul> <li>Determinants</li> <li>Determinant of a square matrix (up to 3 x 3 matrices),</li> <li>Properties of determinants, minors, co- factors and applications of determinants in finding the area of a triangle.</li> <li>Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.</li> <li>Types of matrices (m × n; m, n ≤3), order; Identity matrix, Diagonal matrix.</li> <li>Symmetric, Skew symmetric.</li> <li>Operation – addition, subtraction, 3.multiplication of a matrix with scalar, multiplication of two matrices (the compatibility).</li> <li>Singular and non-singular matrices.</li> <li>Existence of two non-zero matrices whose product is a zero matrix.</li> <li>Inverse (2×2, 3×3)</li> <li>Martin's Rule (i.e. using matrices)</li> <li>Problems based on above.</li> <li>NOTE 1: The conditions for consistency of equations in two and three variables, using matrices, are to be covered.</li> <li>NOTE 2: Inverse of a matrix by elementary operations to be covered. Determinants - Order. &gt; Minors.</li> </ul>	8	Worksheet will be provided

	<ul> <li>Cofactors.</li> <li>Expansion.</li> <li>Applications of determinants in finding the area of triangle and collinearity.</li> <li>Properties of determinants.</li> <li>Problems based on properties of determinants.</li> </ul>		
	Class Test	1	
May '25	<ul> <li>5. Continuity &amp; Differentiability</li> <li>Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.</li> <li>Continuity of a function at a point x = a.</li> <li>Continuity of a function in an interval.</li> <li>Algebra of continues function.</li> <li>Removable discontinuity.</li> <li>Differentiation</li> <li>Concept of continuity and differentiability of x, [x], etc.</li> <li>Derivatives of trigonometric functions.</li> <li>Derivatives of soft rigonometric functions.</li> <li>Derivatives of logarithmic functions.</li> <li>Derivatives of logarithmic functions.</li> <li>Derivatives of inverse trigonometric functions - differentiation by means of substitution.</li> <li>Derivatives of Parametric functions.</li> <li>Derivatives of Parametric functions.</li> <li>Differentiation of a function e.g. differentiation of a function e.g. differentiation of sinx<sup>3</sup> with respect to x<sup>3</sup>.</li> <li>Logarithmic Differentiation up to 2<sup>nd</sup> order.</li> <li>NOTE 1: Derivatives of composite functions using chain rule.</li> <li>Rolle's Mean Value Theorem - its geometrical interpretation.</li> <li>Lagrange's Mean Value Theorem - its geometrical interpretation.</li> </ul>	15	Worksheet will be provided

	Class Test	1	
June'25	<ul> <li>6. Integrals <ul> <li>Indefinite integral</li> <li>Integration as the inverse of differentiation.</li> <li>Anti-derivatives of polynomials and functions (ax +b)<sup>n</sup>, sinx, cosx, sec<sup>2</sup>x, cosec<sup>2</sup>x etc.</li> <li>Integrals of the type sin<sup>2</sup>x, sin<sup>3</sup>x, sin<sup>4</sup>x, cos<sup>2</sup>x, cos<sup>3</sup>x, cos<sup>4</sup>x.</li> <li>Integration of 1/x, e<sup>x</sup>.</li> <li>Integration by substitution.</li> <li>Integrals of the type f ' (x)[f (x)]<sup>n</sup></li> <li>Integration of tanx, cotx, secx, cosecx.</li> <li>Integration by parts.</li> </ul> </li> </ul>	15	Worksheet will be provided
	Class Test	1	
July, 25	<ul> <li>7. Application of Derivatives</li> <li>Equation of a tangent and normal Rate measure</li> <li>Increasing and decreasing function Maxima and minima .</li> <li>stationary / turning points</li> <li>Absolute maxima / minima</li> <li>local maxima / minima</li> <li>First derivative test and second derivative test</li> <li>Application problems based on maxima and minima .</li> </ul>	15	
	Class Test	1	
August'25	SECTION B Vectors As directed line segments. Magnitude and direction of a vector. Types: equal vectors, unit vectors, zero vector. Position vector. Components of a vector. Vectors in two and three dimensions. i, ^j, k^ as unit vectors along the x, y and the z axes; expressing a vector in terms of the unit vectors. Operations: Sum and Difference of vectors; scalar multiplication of a vector. Section formula. Triangle inequalities. Scalar (dot) product of vectors and its geometrical significance. Cross product - its properties - area of a triangle, area of parallelogram, collinear vectors.	10	Worksheet will be provided

	<ul> <li>Scalar triple product - volume of a parallelepiped, co-planarity.</li> <li>NOTE: Proofs of geometrical theorems by using Vector algebra are excluded.</li> </ul>		
	Class Test	1	
August'25	SECTION C Application of Calculus Application of Calculus in Commerce and Economics in the following: > Cost function, > average cost, > marginal cost and its interpretation > demand function, > revenue function, > marginal revenue function and its interpretation, > Profit function and breakeven point. > Rough sketching of the following curves: AR, MR, R, C, AC, MC and their mathematical interpretation using the concept of maxima & minima and increase- decreasing functions . NOTE: Application involving differentiation, integration, increasing and decreasing function and maxima and minima to be covered.	8	Worksheet will be provided
	Class Test	1	

		SUBJECT	Γ:SUPW	
Textbook Name : No Book				
MONTH	SUPW	NO.OF PERIODS	WORKSHEETS/ACTIVITY	
April'25 to	Project 1	6	To Make a Fridge magnet in the shape of school logo.	
July' 26			0	