SYLLABUS SEMESTER - 1 CLASS: 12- A [2025-26]

SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM-TO)
Maths	Sec A	Relation & Function {Binary axioms and properties]	
		Inverse Trigonometric function	
Block		Algebra- Matrices [elementory operations] and Martins Rule	
		Determinants	
		Calculus - Continuity, Differentiation upto 2nd order	
		Application of derivative - Mean Value theorems, Maxima	
		and Minima, Tangent Normal	
		Indefinite Integral (complete)	
	Sec B	Vectors and 3-D straight line	
	Sec C	Application of calculus in commerce and economics	
		Linear regression equations	
		Unit-1: Matrix Unit-2 : Inverse Trigonometric function	
English-1		ESSAYS : Narrative, Descriptive , Argumentative, Opinion On A Statement, One Word Topic	
		Short Story Writing	
Block		DIRECTED WRITING : News Paper Report, Magazine Report, Article Writing,Book Review	
		PROPOSAL WRITING	
		FUNCTIONAL GRAMMAR : Transformation of sentences,Prepositions, Phrasal verbs,	
		Correct form of verb	
		UNIT 1 : One word Topic, Short Story Writing + Functional Grammar	
		UNIT 2 : Proposal Writing + Functional Grammar	
		Block test : Whole Syllabus	
English-2			
		DRAMA : Macbeth Act 3 & 4	
Block			
		SHORT STORY : "Atithi"/Guest ; The Cookie Lady	
		POEMS : Telephone Conversation; Tithonus ; Beethoven	
		UNIT 1 : Atithi(Story) + Macbeth Act 3 Scn 1	
		UNIT 2 : Telephone Conversation(Poem) + Macbeth Act 3 Scn 2 & 3	
		Block test : Whole Syllabus	
Computer Science	1	Boolean Algebra (Unit 1)	
	2	Computer Hardware (Unit 2)	
	3 , 4 & 5	Objects and Classes, Java Revision Tour, Primitive values, Type Casting Variables and Expressions (Unit 1)	
Block	6	Statements, Control Structures and Scope (Unit 2)	
	7	Functions / Methods	
	8	Arrays and Strings	
	9	Compiling and Running Java Programs	
	10	Java Classes : An OOP Perspective	
	11	Recursion	
		Practice Programmings From Test Papers	
Chemistry	1	Solutions [Unit 1]	
	3	Co-ordination Compounds [Unit 2]	
Block	2	Electrochemistry	
	4	Haloalkanes and haloarenes	
	5	Alcohol, Phenol and ether	
	6	Aldehyde, Ketone and Carboxylic acid	

BIOLOGY		**1. Reproduction**	
	2	**Sexual Reproduction in Flowering plants (Unit-1)**	
	3	**Human Reproduction (Unit-2)**	
	4	**Reproductive Health**	
		2. Genetics and Evolution	
	5	**Principles of Inheritance and Variation**	
Block	**6**	**Molecular basis of Inheritance**	
	7	**Evolution**	
		3. Biology and Human Welfare	
	8	**Human Health and Diseases**	
	10	**Microbes in Human Welfare**	
Physics		**Electrostatics U1**	
		Current electricity U2	
Block		**Magnetic effects of electric current and Magnetism**	
		Electromagnetic induction and Alternating current	
		Electromagnetic waves	
Moral Science	3	Respecting Diversity (Unit)	23
	4	Ragging- A Torture (Unit)	29
Block	5	Alcoholism	36
	6	Choosing A Career	41
	7	Generation Gap	47
	8	Eve-Teasing	54

SYLLABUS SEMESTER - 2 CLASS: 12- A [2025-26]

SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM- TO)
Maths	Sec A	Definite Integral as a limit of sum, Fundamental theorem of integral Calculus	
		Differential Equations	
Block		Conditional Probability, Bayes Theorem	
	Sec B	3-D Geometry Planes and straight lines	
		Application of Integral in lines and curves	
	Sec C	Linear programming problems	
		** Entire syllabus of Sem 1 and Sem 2 will be there in exam.	
English-1		ESSAYS : Narrative, Descriptive , Argumentative, Opinion On A Statement, One Word Topic	
		Short Story Writing	
Block		DIRECTED WRITING : Cultural Programme Review, Speech Writing, Statement Of Purpose(S.O.P)	
		PROPOSAL WRITING	
		FUNCTIONAL GRAMMAR : Transformation of sentences,Prepositions, Phrasal verbs,	
		Correct form of verb	
		Comprehension Passage	
		REHEARSAL EXAM : FULL SYLLABUS (SEM 1 + SEM 2)	
		ISC PATTERN QUESTIONS	
English-2		DRAMA : Macbeth Act 3 & 4	
Block		SHORT STORY : There Will Come Soft Rains; Indigo ; The Medicine Bag	
		POEMS : Small Towns And The Rivers ; Death Be Not Proud ;	
		REHEARSAL EXAM : FULL SYLLABUS (SEM 1 + SEM 2)	
		ISC PATTERN QUESTIONS	
Computer Science	12	CONCEPT OF INHERITANCE	
	13	SIMPLE DATA STRUCTURES	
	14	RECURSIVE DATA STRUCTURES	
Block	15	COMPUTATIONAL COMPLEXITY	
		SOLVING TEST PAPERS	
		PRACTICE SPECIMEN QUESTION PAPERS	
Chemistry		No unit test for class 12 in semester 02	
Block		All the chapters of the text book mentioned in the syllabus for ISC 2026	
BIOLOGY		4. Biotechnology and its Application	
	11	Biotechnology: Principles and processes	
	12	Biotechnology and its Application	
		5. Ecology and Environment	
	13	Organisms and Populations	
	14	Ecosystems	
Block	15	Biodiversity and its Conservation	
		For the Rehearsal Exam, entire Sem-1 and Sem-2 Syllabi	
Physics		Entire syllabus	

Block			
Moral Science	**9**	**Drug Addiction**	**59**
	11	Digital India	72
	12	Gems Of India	79
	13	Global Icons	84