

## SYLLABUS SEMESTER - 1 CLASS: 12- A [2024-25]

SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM-TO)		
Maths	1	Matrix			
	2	2nd order derivative			
Block	Sec - A	Relation, Function and Continuity			
		Inverse Trigonometry			
		Determinant and Matrix			
		Revision differentiation and 2nd order derivative			
		Application Differentiation and Maxima & Minima			
	Sec - B	Increasing and Decreasing Function, Tangent-Normal			
		Derivative as rate measure			
		Integration (Indefinite and Definite)			
		Vector and 3D Geometry straight line			
		Application of calculus in commerce and economics			
English-1	1	<u>Creative Writing</u> : Essay : Descriptive , Narrative, Argumentative ; Opinion On A Statement ; One Word Topic			
	Block	Short Story Writing			
		<u>Directed Writing</u> : Newspaper Report, Magazine Report			
		Article Writing, Film Review , Book Review			
		<u>Proposal Writing</u>			
		<u>Comprehension Passage</u>			
	English-2	Block	<u>Functional Grammar</u> - Transformation Of Sentences, Prepositions & Phrasal Verbs, Correct Form of Verb		
			UNIT 1 : Essay, Functional Grammar / UNIT 2 :Proposal Writing , Functional Grammar		
			Block Test : Whole Syllabus, ISC pattern		
			DRAMA : Macbeth Act 3 & 4		
SHORT STORY : "Atithi" , "The Cookie Lady"					
Block	Block	POEMS : "Telephone Conversation" ; "Tithonus" ; " Beethoven"			
		UNIT 1 : Essay, Functional Grammar / UNIT 2 :Proposal Writing , Functional Grammar			
		Block Test : Whole Syllabus, ISC pattern			
		Computer Science	1	Boolean Algebra (Unit 1)	Pg 1-82
			2	Computer Hardware (Unit 2)	Pg 83-130
Block	3 , 4 & 5	Objects and Classes. Java Revision Tour, Primitive values, Type Casting Variables and Expressions (Unit 1)	Pg 133-210		
	6	Statements, Control Structures and Scope (Unit 2)	Pg 211-260		
	7	Functions / Methods	Pg 261-308		
	8	Arrays and Strings	Pg 309-370		
	9	Compiling and Running Java Programs	Pg 371-384		
	10	Java Classes : An OOP Perspective	Pg 385-395		
	11	Recursion	Pg 395-432		
	Chemistry	2	Solutions (Unit 1)		
		9	Co-ordination compounds (unit 2)		
		Block	2	Solutions	
4	Chemical kinetics				

	3	Electrochemistry	
	9	Co-ordination compounds	
	10	Haloalkanes and haloarenes	
	11	Alcohols, phenols and ethers	
	12	Aldehyde, ketone and carboxylic acid	
<b>BIOLOGY</b>	2	Sexual reproduction in flowering plants. (u1)	
	3	Human reproduction (u2)	
	4	Reproductive health	
	5	Principles of inheritance and variation	
	6	Molecular basis of inheritance	
	7	Evolution	
<b>Block</b>	8	Human health and diseases	
	9	Strategies for enhancement in food production	
	10	Microbes in human welfare	
<b>Physics</b>	1	Electrostatics. (Unit 1)	
	2	Current Electricity. (Unit 2)	
<b>Block</b>	3	Magnetic Effects of Current and Magnetism.	
	4	Electromagnetic Induction and Altering Currents.	
	5	Electromagnetic Waves.	