SYLLABUS FOR SEMESTER -1 CLASS: 12- A [2023-24]

SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM-TO)
Mathematics		Section A : Relation, Function and continuity	
Block 1		Inverse Trigonpometry	
		Determinant and Matrix [Unit on Matrix]	
		Revision Differentiation and 2nd order derivative	
		Application derivative and Maxima & Minima	
		Increasing Decreasin function, Tangent Normal	
		Derivative as rate measure	
		Indefinite Integration	
		Section B : Vector and 3D Straught line	
		Section C : Application of calculus in commerce and economics	
English-1	1	ESSAY -NARRATIVE, DESCRIPTIVE, ARGUMENTATIVE, OPINION ON A STATEMENT	
		ONE-WORD TOPIC, ORIGINAL SHORT STORY	
	2	DIRECTED WRITING - SOP, PERSONAL PROFILE, BOOK REVIEW, FILM REVIEW	
		CULTURAL PROG REVIEW, REPORT AND ARTICLE WRITING	
	3	PROPOSAL WRITING	
	4	FUNCTIONAL GRAMMAR - TRANSFORMATION OF SENTENCES, PHRASAL VERBS/	
		PREPOSITION, CORRECT FORM OF THE VERB, WORDS FOLLOWED BY PREPOSITION	
	5	COMPREHENSION PASSAGE	
		(UNIT 1- PROPOSAL WRITING & GRAMMAR) (UNIT 2 - DIRECTED WRITING & GRAMMAR)	
Block -1		WHOLE SYLLABUS: QUESTION: ISC PATTERN	
English-2		DRAMA - THE TEMPEST (ACT III & IV)	
		SHORT STORY - FRITZ, B WORDSWOTH, THE STORY OF AN HOUR	
		POEMS - JOHN BROWN, DOVER BEACH	
		(UNIT 1 -ACT III,SCI & FRITZ) (UNIT 2 - ACT III,SCII & JOHN BROWN)	
Block 1		WHOLE SYLLABUS: QUESTION ISC PATTERN	
Computer Science	1	Boolean Algebra (Unit 1)	1-82
	2	Computer Hardware (Unit 2)	83-130
	3,4,5	Objects and classes, Java Revision Tour, Primitive values Type Castingand Expressions (Unit 1)	133-210
	6	Statements, Control Structures and Scope (Unit 2)	211-260
	7	Functions / Methods	261-308
Block 1	8	Arrays and Strings	309-370
	9	Compiling and Running Java Programs	371-384
	10	Java Classes : An OOP Perspective	385-394
	11	Recursion	395-432
Chemistry	2	Solution (Unit 1)	
	6	General principles for the extraction of metals (Unit 2)	
Block 1	1	Solid State	
	2	Solution	
	5	Surface chemistry	
	6	General principles for the extraction of metals	
	7	p-block elements	
	8	d- and f-block elements	
	10	Haloalkanes and haloaranes	
	11	Alcohols, phenols and ethers	
	14	Biomolecules	
	15	Polymer	
	16	Chemistry in everyday life	
Biology	1	Reproduction in organism (u1)	
Block 1	2	sexual reproduction in flowering plants. (u2)	
	3	Human reproduction	
	4	Reproductive health	
	5	Principles of inheritance and variation	
	6	Molecular basis of inheritance	
	7	Evolution	
	8	Human health and diseases	
	9	Strategies for enhancement in food production	
	10	Microbes in human welfare	
Physics	1	ELECTROSTATICS (UNIT)	
	2	CURRENT ELECTRICITY	
Block 1	3	MAGNETIC EFFECTS OF CURRENT AND ELECTROMAGNETISM	
	5	ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENT	
	6	ELECTROMAGNETIC WAVES	