

SYLLABUS SEMESTER -1 CLASS: 11- A [2026-27]

SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM - TO)
Mathematics		QUADRATIC EQNS, QUADRATIC FNS, SIGN OF QUADRATIC (UNIT 1)	
		BINOMIAL THEOREM (UNIT 2)	
		SETS, RELATIONS & FUNCTIONS, TRIGONOMETRY- ANGLES &	
Block 1		ARC LENGTHS; TRIGONOMETRIC FUNCTIONS; COMPOUND & MULTIPLE ANGLES, SUB-MULTIPLE ANGLES	
		ALGEBRA- COMPLEX NUMBERS,	
		INEQUALITIES- LINEAR & QUADRATIC,	
		SEQUENCE & SERIES-A.P.G.P., SPECIAL SUMS ,	
		PERMUTATIONS & COMBINATIONS	
		2.5 FOR HAND WRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
English-1		1.ESSAY - NARRATIVE, DESCRIPTIVE, ARGUMENTATIVE, OPINION ON A STATEMENT,	
		ONE-WORD TOPIC, SHORT STORY WRITING.	
		2.DIRECTED WRITING - NEWSPAPER REPORT, MAGAZINE REPORT, ARTICLE WRITING,	
		BOOK REVIEW	
Block		3.PROPOSAL WRITING -	
		4.FUNCTIONAL GRAMMAR - TRANSFORMATION OF SENTENCES, PREPOSITION &	
		PHRASAL VERBS & CORRECT FORM OF THE VERB	
		5.COMPREHENSION PASSAGE	
		UNIT 1. : ESSAY (3 TYPES) & FUNCTIONAL GRAMMAR:	
		UNIT 2. : PROPOSAL WRITING & FUNCTIONAL GRAMMAR	
		BLOCK EXAM : (SEM 1) : WHOLE SYLLABUS	
		NOTE: 5MARKS: 2.5 FOR HAND WRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
English-2		1. MACBETH - ACT 1 (FULL)	
Block		2. SHORT STORY - A LIVING GOD, ADVICE TO YOUTH, THANK YOU MA'AM	
		3. POEMS : SONNET 116, DEATH OF A NATURALIST	
		UNIT 1. : MACBETH (ACT 1, SC 1&2); DEATH OF A NATURALIST	
		UNIT 2. : MACBETH (ACT 1, SC3); ADVICE TO YOUTH	
		BLOCK EXAM : (SEM 1) : WHOLE SYLLABUS	
		NOTE: 5MARKS: 2.5 FOR HAND WRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
Computer Science		2.5 marks for HandWriting and 2.5 marks for Discipline	
Block	1	Data Representation [Unit 1]	
	2	Propositional Logic and Hardware [Unit 2]	
	3	General OOP Concept [Unit 1]	
	4	Introducing Java [Unit 2]	
	5	Java Fundamentals	
	6	Flow Of Control	

	11	Arrays	
		Programming from Test Papers	
		Introduction to python part 1	
Chemistry			
	Chapter	Some Basic Concepts of Chemistry	
	Chapter	Structure of Atom	
Unit - I	Chapter	Classification of Elements and Periodicity in Properties	
	Chapter	Chemical Bonding and Molecular structure	
Unit - II	Chapter	Organic chemistry : Some Basic Principles and Techniques	
	Chapter	Redox Reactions	
Biology	1	Diversity of Living Organisms	
Block	i.	The Living World	
	ii.	Biological Classification (Unit-1)	
	iii.	Plant Kingdom	
	iv.	Animal Kingdom (Unit-2)	
	2	Structural Organisation in Animals and Plants	
	v.	Morphology of Flowering Plants	
	vi.	Anatomy of Flowering Plants	
	3	Cell: Structure and Function	
	viii.	Cell: The Unit of Life	
	ix.	Biomolecules	
	x.	Cell Cycle and Cell Division	
	4	Plant Physiology	
	xv.	Plant Growth and Development	
	5	Human Physiology	
	xvii	Breathing and Exchange of Gases	
		General Discipline-2.5; Neatness and Handwriting- 2.5	
Physics	1	Physical world	
	2	Kinematics UNIT 1	
Block	3	Laws of Motion UNIT 1	
	4	Work, Energy and Power UNIT 2	
	5	Motion of system of particles	
		05 marks for Discipline and Neatness	
Physical Education			
Block	1	Concept of physical education (unit test -1)	
	2	Football -(unit test-2)	
	1	Concept of physical education .	
	2	Individual aspect of group dynamic.	
	3	Effects of physical exercise and training of human body system.	
	2	Football	
	Note-	For conduct & Neatness (5 marks)	

MORAL SCIENCE		The Unruly Guests [Unit 1]	
		Adolescence [Unit 1]	
		True Happiness [Unit 2]	
		Smoking Kills [Unit 2]	
		A Grave Problem	
		People with Special Needs	
		NOTE:CONDUCT AND DISCIPLINE [10 MARKS]	

SYLLABUS SEMESTER -2 CLASS: 11- A [2026-27]			
SUBJECTS	LESSON NO.	LESSON NAME	PAGES (FROM-TO)
Mathematics		CO-ORDINATE GEOMETRY- CIRCLES (UNIT1)	
		DERIVATIVES OF FIRST ORDER (UNIT 2)	
Block		CO-ORDINATE GEOMETRY- ST.LINES, CONIC SECTION- PARABOLA, ELLIPSE, HYPERBOLA & 3D	
		CALCULUS- LIMITS	
		STATISTICS & PROBABILITY- MEASURES OF DISPERSION,	
		MEAN DEVIATION ABOUT MEAN, STANDARD DEVIATION, COMBINED MEAN & S.D.	
		INTRODUCTION OF PROBABILITY	
		PROJECT WORK	
		ENTIRE SYLLABUS FOR FINAL EXAM.	
		2.5 MARKS FOR HANDWRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
English-1		1. ESSAY - ALL SIX TYPES: 2. DIRECTED WRITING: CULTURAL PROG REVIEW, BLOG WRITING,	
		STATEMENT OF PURPOSE (SOP): 3. PROPOSAL WRITING: 4. FUNCTIONAL GRAMMAR:	
		TRANSFORMATION OF SENTENCES,PHRASAL VERBS,PREPOSITIONS,CORRECT FORM OF VERB	
Block		5. COMPREHENSION PASSAGE.	
		UNIT 1: DIRECTED WRITING (CULTURAL PROG REVIEW, SOP) & FUNCTIONAL GRAMMAR	
		UNIT 2: BLOG WRITING & FUNCTIONAL GRAMMAR	
		BLOCK 2. INCLUDES SYLLABUS OF SEM1 & SEM 2.	
		NOTE:5MARKS: 2.5 FOR HAND WRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
English - 2		1.DRAMA: MACBETH - ACT 1 & 2. (FULL)	
		2. SHORT STORY: THE PAPER MENAGERIE, THE GREAT AUTOMATIC GRAMMATIZATOR.	
		3.POEM : ABHISARA- THE TRYST, STRANGE MEETING, WHY I LIKE THE HOSPITAL.	
		UNIT 1: MACBETH, (ACT 2 ,SC 1) & THE PAPER MENAGERIE	
		UNIT 2: MACBETH (ACT 2, SC 2) & ABHISARA.	
		BLOCK 2. INCLUDES SYLLABUS OF SEM1 & SEM 2.	
Block		NOTE:5MARKS: 2.5 FOR HAND WRITING & 2.5 MARKS FOR DISCIPLINE AND NEATNESS	
Chemistry	Chapter - 5	Chemical Thermodynamics	
Unit - I	Chapter - 6	Equilibrium	

Unit - II	Chapter - 8	Organic chemistry : Some Basic Principles and Techniques	
	Chapter - 9	Hydrocarbons	
		[And all other chapters of Sem - 1 will be there in Sem-2 Exam.]	
Moral Science		Practising Yoga [Unit 1]	
		Social Networking Sites [Unit 1]	
Block		Necessary Rvii [Unit 2]	
		Swachh Bharat Abhiyan [Unit 2]	
		Gems of India	
		Global Icons	
		The Mystery of Procreation	
		NOTE:CONDUCT AND DISCIPLINE [10 MARKS]	
Biology	4	Plant Physiology	
	xiii.	Photosynthesis in Higher Plants	
	xiv.	Respiration in Plants	
	5	Human Physiology	
	xviii.	Body Fluids and Circulation (Unit-1)	
	xix.	Excretory Products and their Elimination (Unit-2)	
	xx.	Locomotion and Movement	
	xxi.	Neural Control and Co-ordination	
BLOCK	xxii.	Chemical Co-ordination and Integration	
	2	Structural Organisation in Animals and Plants	
	vii.	Structural Organisation in Animals: Frog	
		Semester-1 Syllabus	
		General Discipline-2.5 ; Neatness and Handwriting- 2.5	
Computer Science		2.5 marks for HandWriting and 2.5 marks for Discipline	
	7	Classes In Java [Unit 1]	
Block	8	Functions (Methods) [Unit 2]	
	9	Program Error Types and Basic Exception Handling [Unit 1]	
	10	Using Library Classes and Packages [Unit 2]	
	12	Operation on Files	
	13	Trend In Computing and Ethical Issues	
		Programming from Test Papers	
		Introduction to python part 2	
Physics	1	Gravitation UNIT1	
	2	Mechanical properties of solids and fluids UNIT 2	
Block			

		Entire syllabus	
		05 marks for Discipline and Neatness	
Physical Education			
	6	Games and sports -a global perspective (unit test -1)	
	1	cricket (unit test -2)	
	4	Nutrition ,Weight Control and Exercise.	
	5	Physycal Fitness and Wellness.	
	6	Games and sports -A Global Perspective.	
	1	Cricket	
	Note-	For conduct & Neatness (5 marks)	
		Block -2 exam based on the entire ISC class 11 physical education syllabus.	