



**SYLLABUS 2023-24**  
**CLASS XII Science**

SUBJECT	COURSE CONTENT		M.M.	TIME
Physics	UT-1	Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance Chapter-3: Current Electricity(up to current density)	50	90 min.
	TERM-1	Chapter-4: Moving Charges and Magnetism Chapter-6: Electromagnetic Induction Chapter 7: Alternating currents chapter-5: Magnetism and Matter	100 (70Th.+ 30Pr.)	3 hrs.
	UT-2	Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics	50	90 min.
	Preboards	Complete Syllabus	100 (70Th. +30Pr.)	3 hrs.
Chemistry	UT-1	Ch1 – Solutions Ch-6 Haloalkenes & Haloarenes	50	90 min.
	TERM-1	Ch 1 .Solutions Ch 6.Haloalkanes and Haloarenes Ch 7.Alcohols, Phenols and Ethers Ch 4.d-and f-Block Elements Ch 5.Coordination Compounds	100 (70+30)	3 hrs.
	UT-2	Ch 8.Aldehydes, Ketones and Carboxylic Acids Ch 9.Amines Ch 10.Biomolecules Ch 2.Electrochemistry Ch 3.Chemical Kinetics	50	90 min.
	Preboards	Complete syllabus	100 (70.+30)	3 hrs.
Biology	UT-1	Ch-2 Sexual Reproduction in Flowering Plant Ch-3 Human Reproduction Ch-4 Reproductive Health Ch-5 Principles of Inheritance and Variations. Ch-6 Molecular Basis of Inheritance.	50	90 min.
	TERM-1	<b>Syllabus up to UT-1 and</b> Ch-7 Evolution Ch-8 Human Health and Disease Ch-10 Microbes in Human Welfare Ch-11 Biotechnology Principles and Processes	100 (70 Th.+ 30 Pr.)	3 hrs

	<b>UT-2</b>	Ch-12 Biotechnology and its Applications Ch-13 Organism and Population Ch 14 Ecosystem	50	90 min.
	<b>Preboards</b>	Complete course	100 (70+30)	3 hrs.
<b>Maths</b>	<b>UT-1</b>	Ch.1 Relations and Functions Ch. 2 Inverse Trigonometric Functions Ch.3 Matrices Ch.4 Determinants Ch. 5 Continuity and Differentiability	50	90 Min
	<b>TERM – 1</b>	Ch. 1 to 5 Ch.6 Application of Derivatives Ch.7 Integrals(cont.)	100	3 Hours
	<b>UT-2</b>	Ch. 7 Integrals (cont.) Ch.8 Applications of Integrals Ch. 9 Differential Equations	50	90 Min
	<b>PRELIMS</b>	Ch. 1 to 9 Ch. 10 Vector Algebra Ch. 11 Three Dimensional Geometry	100	3 Hours
	<b>PREBOARD</b>	Complete Syllabus( Ch. 1 to 13 ) Ch. 12 Linear Programming Ch. 13 Probability	100	3 Hours
<b>English</b>	<b>UT-1</b>	Flamingo : Prose: Ch-1 The Last Lesson Ch-2 Lost Spring Poetry -P-1 My mother at Sixty Six Vistas Ch-1. Third level Ch 2. Tiger King, Reading- Comprehension passage, Case based passage too. Writing - Notice, Letter to Editor, Application for job	50	90 Min
	<b>TERM 1</b>	Flamingo : Prose-Ch:3 Deep Water, Ch:4 Rattrap Poetry -P -Keeping Quiet, A thing of beauty Vistas: Ch-4 Enemy, Ch-3 Journey to the end of the Earth ,Ch-5 On the face of it. Writing-Article ,Report Writing-Descriptive & Analytical in nature, Formal Invitation & replies. All the topics covered till UT-I also to be included.	100	3 Hours
	<b>UT-2</b>	Flamingo : Prose: Ch-5 Indigo, Ch-6 Poet & Pancakes, Ch-7 Interview, Ch-8 Going places Poem -A Road side stand, Aunt Jennifer's Tigers Vistas- On the face of it ,Memories of Childhood Writing -All the topics covered till Term-1	50	90 Minutes
	<b>Preboards</b>	Complete course	100	3 Hours

<b>Physical Education</b>	<b>UT-1</b>	Chapter 1:- Management of sporting events Chapter 2:- Children and women in sports Chapter 3:- Yoga as a preventive measure for lifestyle diseases	50	90 Minutes
	<b>TERM – 1</b>	<b>UT 1 COURSE +</b> Chapter 4 Physical Education and sports for (CWSN) Chapter 5 Sports and nutrition Chapter 6 Test and measurement in sports Chapter 7 Physiology and Injuries in Sports	100 (70+30)	3 Hours
	<b>UT-2</b>	Chapter 8 Biomechanics and sports Chapter 9 Psychology and sports Chapter 10 Training in sports	50	90 Min
	<b>PREBOARD</b>	Full Course	100 (70 +30)	3 Hours
<b>I.P.</b>	<b>UT-1</b>	Ch 1 More on SQL (SQL functions, Aggregate functions, group by clause, order by clause, having clause) Ch 5 Computer networking	50	90 Min
	<b>TERM – 1</b>	UT1 Syllabus + Pandas (Data analysis)	100 (70+30)	3 Hours
	<b>UT-2</b>	Data analysis & Visualization	50	90 Min
	<b>PREBOARD</b>	Complete course	100 (70+30)	3 Hours
<b>Psychology</b>	<b>UT-1</b>	Ch. 1 Variations in Psychological Attributes Ch. 2 Self and Personality Ch. 3 Meeting Life Challenges	50	90 Min.
	<b>TERM 1</b>	UT-1 course + Ch. 4 Psychological Disorders	(100) 70+30	180 Min.
	<b>UT-2</b>	Ch. 5 Therapeutic Approaches Ch. 6 Attitude and Social Cognition Ch. 7 Social Influence and Group Processes	50	90 Min.
	<b>Preboards</b>	Complete Syllabus	100	180 Min.

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