

Mathematics

YEAR PLAN

Term	Month	Unit No.	Name of Unit
I	June	1	Sets
	July	2	Relations and Functions
	August	2	Relations and Functions (<i>contd.</i>)
		3	Trigonometric Functions
II	September	4	Principle of Mathematical Induction
		5	Complex Numbers and Quadratic Equations
	October	6	Linear Inequalities
		7	Permutations and Combinations
		8	Binomial Theorem
	November	9	Sequences and Series
		10	Straight Lines
		11	Conic Sections
	December	12	Introduction to Three Dimensional Geometry
		13	Limits and Derivatives
		13	Limits and Derivatives (<i>contd.</i>)
	III	January	14
15			Statistics
16			Probability, Revision
February		16	Probability, Revision

Statistics

Term	Month	Chapter
Term I	June	Statistics - Scope and development
	July	Collection of data Classification and Tabulation
	August	Diagrams and Graphs, Central Tendency (AM), Revision
Term II	September	Central Tendency
	October	Central Tendency, Dispersion
	November	Dispersion, Skewness and Kurtosis, Probability
	December	Probability (Up to Algebra of events), Revision
Term III	January	Probability, Conditional Probability
	February	Sampling Techniques, Revision
	March	Revision

Electronics

Sl.No	Term	Name of Unit	Month	Total Periods
1	First Term	Introduction to Electronics	July	8
2		Electrical fundamentals	July August	21
3		Solid state fundamentals	August	8
4		Semiconductor diodes	September	12
5		Transistors	September October	16
6	Second Term	Special type Electronic devices	October	20
7		Rectifiers	November	13
8		Amplifiers	December	20
9	Third Term	Oscillators	January	20
10		Digital Electronics	January February	21
11		Measuring instruments	February	13

Chemistry

YEAR PLAN

Term	Month	Unit No.	Name of Unit
I	June	1	Some Basic Concepts of Chemistry
	July	2	Structure of Atom
		3	Classification of Elements and Periodicity in Properties
	August	4	Chemical Bonding and Molecular Structure
		5	States of Matter <i>(Up to Ideal gas equation)</i>
II	September	5	States of Matter
		6	Thermodynamics
	October	7	Equilibrium
	November	8	Redox Reactions
		9	Hydrogen
		10	The s-Block Elements <i>(Up to Group I Elements)</i>
	December	10	The s-Block Elements
		11	The p-Block Elements
		12	Organic Chemistry - Some Basic Principles and Techniques (Up to Organic Reaction Mechanism)
III	January	12	Organic Chemistry - Some Basic Principles and Techniques
		13	Hydrocarbons
	February	14	Environmental Chemistry + Revision

Physics

Scheme of work-Theory

Chapter	Month	Topics	Period	Weightage of Marks
1.	June	Physical World	3	1
2.	June	Units and Measurement	12	4
3.	July	Motion in a straight line	12	4
4.	July	Motion in a plane	16	5
5.	August	Laws of Motion	16	6
6.	August	Work, Energy, Power	15	4
7.	September	Motion of Rigid bodies	19	5
8.	September	Gravitation	14	5
9.	October	Mechanics of Solids	5	2
10.	October	Mechanics of fluids	16	7
11.	November	Thermal Properties of matter	9	3
12.	November	Thermodynamics	9	4
13.	December	Kinetic Theory of Gases	6	2
14.	January	Oscillations	14	4
15.	January	Waves	14	4
			180	60

Physics

Scheme of work-Prctical

Month	Section	Units	Experiments	Periods
June-July	1	Units and Measurement	1. Scerew Gauge 2. Vernier Calipers 3. Sperometer 4. Common Balance	3 3 4 4
August	2	Motion in a straight line Motion in a plane Laws of Motion Work, Energy, Power	1. Parallelograam Appratus 2. Inclined Plane 3. Coefficient of Friction	3 3 3
September- October	3	Motion of Ridid bodies Gravitation Mechanics of Solids Mechanics of fluids	1. Moment Bar 2. Young's Modulus 3. Helical Spring 4. Viscosity 5. Surface Tension	3 4 3 3 3
November	4	Thermal Properties of matter Thermodynamics Kinetic Theory of Gases	1. Newton's law of cooling 2. Specific Heat Capacity	3 3
December - January	5	Oscillations Waves	1. Simple Pendulum 2. Helical Spring 3. Sonometer 4. Resonance Column	3 4 4 4
Total				60

Home Science

Total No.of Periods-200

Term	Month	Chapter	Periods
Term I	June	1. Home Science-Concept and Scope	3
		2. Introduction to Human Development	15
		Unit Test	1
	July	3. Infancy and Early Childhood	15
		Unit test	1
		4. Late Childhood Years	6
	August	Unit Test	1
		5. Adolescence-Charms and Challenges	23
		6. Adulthood and Old Age	6
	September	Unit Test	1
7. Childhood Diseases and Prevention		14	
Unit Test			1
Term end Evaluation			
Term II	October	8. Concerns and Issues in Human Development	25
		Unit Test	1
	November	9. Resource management	9
		Unit Test	1
		10. Management of Time, Energy, Money and Space	21
	December	Unit Test	1
11. Design -Types of Design -Elements of Design		10	
Term end Evaluation			
Term III	January	11. Design -Principles of Design -Colour	22
		Unit test	1
	February	12. Consumer Education	20
		Unit Test	1
Revision and model Examination			

Botany

Unit	Chapter	Month	Periods	Score weight
Term - 1				
I	1. Biological classification	June	5	1
I	2. Plant Kingdom	June-July	8	2
II	3. Morphology of Flowering Plants	July-August	10	3
Term - 2				
II	4. Anatomy of flowering plants	September	10	3
III	5. Cell: The unit of Life	September-October	8	3
III	6. Cell cycle and Cell Division	October	8	3
IV	7. Transport in Plants	November	8	2
IV	8. Mineral Nutrition	November	6	2
Term - 3				
IV	9. Photosynthesis in Higher Plants	November-December	10	4
IV	10. Respiration in Plants	January	10	4
IV	11. Plant Growth and Development	January-February	7	3
		Total	90	30

Zoology

Unit	Chapter	Month	Periods	Score weight
Term - 1				
I	The Living World	June	4	1
I	Animal Kingdom	June-July August	15	6
II	Structural Organisation in Animals (Up to connective tissue)	August	3	4
Term - 2				
II	Structural Organisation in Animals (Contd....)	September	10	
III	Biomolecules	September	9	3
IV	Digestion and Absorption	October	9	2
IV	Breathing and exchange of gases	October November	5	2
IV	Body fluids and circulation	November	10	3
IV	Excretory products and their Elimination	November December	5	2
IV	Locomotion and movement (Up to muscles)	December	2	2
Term - 3				
IV	Locomotion and movement (Contd....)	January	3	
IV	Neural control and Coordination	January February	10	3
IV	Chemical Coordination and Integration	February	5	2

Geology

Term	Month	Units
Term - I	June	Geology as a Discipline.
	July	Origin and Structure of Earth
	August	Earth Processes
		Slope Processes
Term - II	September	Slope Processes
		Ground water
	October	Streams
		Wind
	November	Wind
		Glaciers
December	Oceans	
Term - III	January	Mountains
		The Dynamic Earth
	February	Minerals
	March	Revision