

FIRST YEAR HSS SCHEME OF WORK					
MATHEMATICS (SCIENCE)					
Chapters	Term & Month	Name	No of Periods	Lab Periods	TE weightage
1	Term I JUNE, JULY, AUGUST	Sets	12	20	4
2		Relations and functions	17		4
3		Trigonometric functions	18		5
4		Complex numbers and Quadratic equations	9		3
5		Linear Inequalities	9		3
6	Term II SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER	Permutations and Combinations	15	30	5
7		Binomial Theorem	8		3
8		Sequences and series	10		5
9		Straight Lines	13		5
10		Conic Sections	16		5
11		Introduction to Three Dimesional Geometry	8		3
12		Limits and Derivatives	18		6
13	Term III JANUARY, FEBRUARY	Statistics	12	10	5
14		Probability, Revision	15		4
		Total	180	60	60
		Total working Periods:	240		

FIRST YEAR HSS SCHEME OF WORK					
MATHEMATICS (COMMERCE)					
Chapters	Term & Month	Name	No of Periods	Lab Periods	TE weightage
1	Term I JUNE, JULY, AUGUST	Sets	12	20	4
2		Relations and functions	17		4
3		Trigonometric functions	18		4
4		Complex numbers and Quadratic equations	9		3
5		Linear Inequalities	9		3
6	Term II SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER	Permutations and Combinations	15	30	5
7		Binomial Theorem	8		3
8		Sequences and series	10		5
9		Straight Lines	13		5
10		Conic Sections	16		5
11		Introduction to Three Dimesional Geometry	8		3
12		Limits and Derivatives	18		5
13	Term III	Statistics	12	10	7
14	JANUARY, FEBRUARY	Probability, Revision	15		4
		Total	180	60	60
		Total working Periods:	240		

SECOND YEAR HSS SCHEME OF WORK					
MATHEMATICS (SCIENCE)					
Chapters	Term & Month	Name	No of Periods	Lab Periods	TE weightage
1	Term I JUNE, JULY, AUGUST	Relations and Functions	12	25	5
2		Inverse Trigonometric Functions	12		3
3		Matrices	14		5
4		Determinants	16		5
5		Continuity and Differentiability	18		6
6	Term II SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER	Application of Derivatives	18	25	4
7		Integrals	20		6
8		Application of Integrals	10		3
9		Differential Equations	14		4
10		Vector Algebra	12		5
11		Three Dimensional Geometry	8		4
12	Term III JANUARY, FEBRUARY	Linear Programming	8	10	5
13		Probability, Revision	18		5
		Total	180	60	60
		Total working Periods:	240		

SECOND YEAR HSS SCHEME OF WORK					
MATHEMATICS (COMMERCE)					
Chapters	Term & Month	Name	No of Periods	Lab Periods	TE weightage
1	Term I JUNE, JULY, AUGUST	Relations and Functions	12	25	4
2		Inverse Trigonometric Functions	12		3
3		Matrices	14		6
4		Determinants	16		6
5		Continuity and Differentiability	18		5
6	Term II SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER	Application of Derivatives	18	25	5
7		Integrals	20		5
8		Application of Integrals	10		3
9		Differential Equations	14		3
10		Vector Algebra	12		5
11		Three Dimensional Geometry	8		4
12	Term III JANUARY, FEBRUARY	Linear Programming	8	10	5
13		Probability, Revision	18		6
		Total	180	60	60
		Total working Periods:	240		

XI CHEMISTRY

Scheme of Work and Unit Wise Score Weight

Sl. No.	Term (Month)	Unit	No. of Periods	Score
1	I (June, July, Aug.)	Some basic concepts in Chemistry	18	6
2		Structure of atom	24	7
3		Classification of elements and periodicity in properties	12	6
4	II (Sept., Oct., Nov., Dec.)	Chemical bonding and molecular structure	22	7
5		Thermodynamics	24	6
6		Equilibrium	28	7
7		Redox reactions	8	5
8	III (Jan., Feb.)	Organic chemistry – some basic principles and techniques	22	8
9		Hydrocarbons	22	8
		Total (Theory)	180	60
		For Practicals	60	-
		Total	240	60

XII CHEMISTRY

Scheme of Work and Unit Wise Score Weight (Theory)

Sl. No.	Term (Month)	Unit	No. of Periods	Score
1	I (June, July, Aug.)	Solutions	18	6
2		Electrochemistry	21	7
3		Chemical kinetics	18	6
4		The d- and f-Block elements	21	6
5	II (Sept., Oct., Nov., Dec.)	Coordination compounds	18	7
6		Haloalkanes and haloarenes	18	6
7		Alcohols, phenols and ethers	18	6
8		Aldehydes, ketones and carboxylic acids	18	7
8	III (Jan., Feb.)	Amines	15	5
9		Biomolecules	15	4
		Total (Theory)	180	60
		For Practicals	60	40
		Total	240	100

Higher Secondary Education				
Scheme of work PHYSICS				
Plus One				
Chapter No	Term	Name of the Chapter	Periods	Score
1	First	Units and Measurements	10	4
2		Motion in a Straight Line	10	5
3		Motion in a Plane	18	6
4		Laws of Motion	16	6
5	Second	Work, Energy and Power	16	5
6		System of Particles and Rotational Motion	18	5
7		Gravitation	14	5
8		Mechanical Properties of Solids	5	2
9		Mechanical Properties of Fluids	18	7
10		Thermal Properties of Matter	9	3
11		Thermodynamics	10	3
12	Third	Kinetic Theory	8	2
13		Oscillations	14	3
14		Waves	14	4
			180	60

Higher Secondary Education				
Scheme of Work PHYSICS				
Plus Two				
Chapter No	Term	Name of the Chapter	periods	score
1	First	Electric Charges and Fields	20	6
2		Electrostatic Potential and Capacitance	20	6
3		Current Electricity	17	5
4		Moving Charges and Magnetism	17	5
5	Second	Magnetism and Matter	8	3
6		Electromagnetic Induction	11	4
7		Alternating Current	13	4
8		Electromagnetic Waves	7	3
9		Ray Optics and Optical Instruments	22	8
10		Wave Optics	11	4
11	Third	Dual Nature of Radiation and Matter	8	3
12		Atoms	6	2
13		Nuclei	8	3
14		Semiconductor Electronics: Materials, Devices and Simple Circuits	12	4
			180	60

HIGHER SECONDARY EDUCATION SCHEME OF WORK- PLUS ONE

BIOLOGY

BOTANY

Unit	Chapter	Month	Number of Period	Score Weight
Term-1				
I	1. Biological Classification	June- July	7	3
I	2. Plant Kingdom	July	9	2
II	3. Morphology of flowering Plants (Up to 5.4 The Inflorescence)	August	5	3
Term- 2				
II	3. Morphology of flowering Plants (Contd.....)	August- September	5	
II	4. Anatomy of flowering Plants	September	10	3
III	5. Cell- The unit of Life	October	12	3
III	6. Cell Cycle and Cell Division	October- November	9	3
IV	7. Photosynthesis	November- December	13	5
Term- 3				
IV	8. Respiration in plants	January- February	11	4
IV	9. Plant growth and development	February	9	4
		Total	90	30

HIGHER SECONDARY EDUCATION

SCHEME OF WORK

ZOOLOGY

Unit	Chapter	Month	Number of Period	Score Weight
TERM 1				
I	1. The Living World	June	4	1
I	2. Animal Kingdom	June- July	17	6
II	3. Structural Organisation in Animals	July- August	8	2
TERM 2				
III	4. Biomolecules	August-September	10	3
V	5. Breathing and exchange of gases	October	10	3
V	6. Body fluids and circulation	November	10	3
V	7. Excretory products and their Elimination	November-December	8	3
V	8. Locomotion and movement (Up to 17.2.2Mechanism of Muscle contraction)	December	6	3
TERM 3				
V	9. Locomotion and movement (Contd.....)	January	2	
V	10. Neural control and Co ordination	January	8	3
V	11. Chemical Coordination and Integration	February	7	3
		Total	90	30

HIGHER SECONDARY EDUCATION SCHEME OF WORK – PLUS TWO

BOTANY

Unit	Chapter	No. of Period	Score weight	Month
TERM- 1				
VI	1. Sexual Reproduction in Flowering Plants	20	06	June- July
IX	2. Biotechnology: Principles and Processes (Upto 11.2.3 competent Host) (for transformation with recombinant DNA)	10	06	August
TERM-2				
IX	2. Biotechnology: Principles and Processes (11.3 process of recombinant DNA technology) (Contd....)	10		September
IX	3. Biotechnology and its applications	15	06	September- October
X	4. Organisms and Populations	20	06	November- December
TERM- 3				
X	5. Ecosystem	15	06	January- February
	TOTAL	90	30	

ZOOLOGY XII

Unit	Chapter	Month	Periods	Score weight
Term - 1				
VI	Human Reproduction	June	10	3
VI	Reproductive Health	June-July	7	3
VII	Principles of Heridity and Variation	July	15	5
Term - 2				
VII	Molecular basis of Inheritance	August September	17	6
VII	Evolution	September	13	4
VIII	Human Health and Diseases	October - November	9	4
Term - 3				
VIII	Microbes in Human Welfare	November - December	9	2
X	Biodiversity and Conservation	January	10	3
	Practical		30	20
	Total		120	50