SUBJECTS WITH RATIONALISED SYLLABUS

SOCIAL SCIENCES
CLASS – IX

PHASE-I		**40 Marks**
UNIT-I	***India and the world –***	***8 Marks***
Chapter 1:	French Revolution	
Chapter 2:	The Russian Revolution	
UNIT-II	***Topography of India –***	***8 Marks***
Chapter 5:	The locational Setting and Relief	
Chapter 6:	Climate	
Chapter 9:	Wildlife	
UNIT-III	***Democratic politics –***	***6 Marks***
Chapter 11:	Democracy	
Chapter 12:	Democracy in India	
UNIT-IV	***Understanding an economy –***	***8 Marks***
Chapter 16:	Economics	
Chapter 17:	Population	
Unit-V	***Nagaland (History and Personalities of Nagaland) –***	***10 Marks***

PHASE-II		**40 Marks**
UNIT-I	**India and the world –**	**10 Marks**
Chapter 3:	Rise of Nazism	
Chapter 4:	Indian National movement	
UNIT-II	**Topography of India –**	**10 Marks**
Chapter 7:	Drainage	
Chapter 8:	Natural vegetation	
Chapter 10:	Map reading (Including drawing and insertion)	
UNIT-III	**Democratic politics –**	**12 Marks**
Chapter 13:	Electoral Politics in a Democracy	
Chapter 14:	Institutions of Parliamentary Democracy	
Chapter 15:	Citizens' Rights in a Democracy	
UNIT-IV	**Understanding an economy –**	**8 Marks**
Chapter18:	Poverty	
Chapter19:	People as a Resource.	

DROPPED TOPICS (NOT TO BE ASSESSED)

	Chapter	**Page No.**	**Dropped Topics/Chapter**
1	Chapter - 6 (Climate)	101, 102, 103, 106	The Indian Monsoon : Specific Charateristics, Kali Baisakhi, Loo, Mango Showers (under Hot Weather Season), Distribution of Precipitation.
2	Chapter - 7 (Drainage)	121, 122	Lakes and Inland Drainage
3	Lesson - 17 (Population)	241, 243	Sex Ratio, Age Composition

SOCIAL SCIENCES
CLASS – X

Unit-Wise Weightage

Part 'A' External **Time : 3 hours** **Marks : 80**

	Unit	**Marks**
1	Unit - I India and the Contemporary World	18
2	Unit - II Resources (India)	18
3	Unit - III Democratic Politics	16
4	Unit - IV Understanding an Economy	18
5	Nagaland (Geography & G.K)	10

DROPPED TOPICS (NOT TO BE ASSESSED)

	Chapter	**Page No.**	**Dropped Topics/Chapter**
1	Chapter - 5 (Resources)	57	Types of Resources
2	Chapter - 7 (Agriculture)	100	Contribution of Agriculture Towards National Economy
3	Chapter - 8 (Manufacturing Industries)	105	National Economy and Industries
4	Chapter - 14 (Outcomes of Democracy)	179, 180	Accommodation of Social Diversity
5	Chapter - 15 (Challenges to Democracy)	184-190	Whole chapter dropped

MATHEMATICS
CLASS-IX

PHASE I **40 marks**

Unit No.	Chapter No.	Name of the Chapter	Marks
I	1	Number Systems	9
II	2	Polynomials	15
	4	Linear Equations in two variables	3
III	3	Coordinate Geometry	4
V	12	Heron's formula	9

PHASE II **40 marks**

Unit No.	Chapter No.	Name of the Chapter	Marks
IV	5	Introduction to Euclid's Geometry	1
	6	Lines and Angles	4
	7	Triangles	12
	8	Quadrilaterals	
	10	Circles	7
V	13	Surface Areas and Volumes	11
VI	14	Statistics	5

DROPPED TOPICS (NOT TO BE ASSESSED)

Chapter	Page No.	Dropped Topics/Chapters
Chapter 1: Number Systems	9 16-19 26	Exercise 1.2, questions B. 3, 4 & 5 1.4 Representing real numbers on the number line Exercise 1.4 Exercise 1.5, questions B.4 & 5
Chapter 2: Polynomials	43	Ex 2.3
Chapter 3: Coordinate Geometry	67-71	3.3 Plotting a point in the plane if its coordinates are given Exercise 3.3
Chapter 4: Linear Equations in two Variables	77-83	4.4 Graph of linear equations in two variables Exercise 4.3
	83-85	4.5 Equations of lines parallel *x*-axis and *y*-axis Exercise 4.4
Chapter 5: Introduction-Euclidean Geometry	94-96	5.3 Equivalent versions of Euclid's fifth postulate Exercise 5.2
Chapter 6: Lines and Angles	114-119	6.7 Angle sum property of a triangle Exercise 6.3

Chapter 7: Triangles	141-145	7.6 Inequalities in triangles Exercise 7.4
Chapter 8: Quadrilaterals	147-150 156-159	8.1 Introduction 8.2 Angle sum property of a quadrilateral 8.3 Types of quadrilaterals 8.5 Another condition for a Quadrilateral-be a parallelogram Exercise 8.1, questions 1 & 11
Chapter 9: Areas of Parallelogram and Triangles	164-180	Full chapter
Chapter 10: Circles	 181-184 187-189	10.1 Introduction 10.2 Circles and its related terms: Review Exercise 10.1 10.5 Circle through three points Exercise 10.3
Chapter 11: Construction	203-210	Full chapter
Chapter 12: Heron's Formula	211-213 218-223	12.1 Introduction 12.3 Application of Heron's formula in finding areas of quadrilaterals Exercise 12.2
Chapter 13: Surface Area and Volume	 224-229 229-233 242-245 245-247	13.1 Introduction 13.2 Surface area of a cuboid and cube Exercise 13.1 13.3 Surface area of right circular cylinder Exercise 13.2 13.6 Volume of cuboid Exercise 13.5 13.7 Volume of cylinder Exercise 13.6
Chapter 14: Statistics	255-264 278-288	14.1 Introduction 14.2 Collection of data Exercise 14.1 14.3 Presentation of data Exercise 14.2 14.5 Measure of central tendency Exercise 14.4 14.6 Summary
Chapter 15: Probability	289-303	Full chapter

MATHEMATICS
CLASS-X

Unit-Wise Weightage

Part 'A' External	**Time : 3 hours**	**Marks : 80**
Unit		**Marks**
I.	Number System	2
II.	Algebra	20
III.	Trigonometry	12
IV.	Coordinate Geometry	6
V.	Geometry	16
VI.	Mensuration	12
VII.	Statistics & Probability	12

DROPPED TOPICS (NOT TO BE ASSESSED)

Chapter	Page No.	Dropped Topics/Chapters
Chapter 1: Real Number	2-7 15-19	1.2 Euclid's division lemma - Exercise 1.1 1.5 Revisiting rational numbers and their decimal expansions Exercise 1.4
Chapter 2: Polynomials	35-39	2.4 Division algorithm for polynomials - Ex 2.3
Chapter 3: Pair of Linear Equations in Two Variables	41-46 46-52 59-66 66-71	3.2Pair of linear equations in two variables. - Exercise 3.1 3.3 Graphical method of solution of a pair of linear equations Exercise 3.2, questions B.1, 4 & 7 3.4.3 Cross-multiplication method Exercise 3.5 3.5 Equation reducible to a pair of linear equations in two variables - Exercise 3.6
Chapter 4: Quadratic Equations	80-92	4.4 Solution of a quadratic equation by completing the squares Exercise 4.3, question B.1
Chapter 6: Triangles	150-151 157-158	Exercise 6.4 Exercise 6.5
Chapter 7: Coordinate Geometry	175-178	7.4Area of a triangle Exercise 7.3
Chapter 8: Introduction to Trigonometry	196-198	8.4 Trigonometric ratios of complementary angles Exercise 8.3
Chapter 9: Some Applications of Trigonometry	204-205	9.1 Introduction

Chapter 11: Construction	226-229 230-232	11.1 Introduction 11.2 Division of a line segment Exercise 11.1, question 1 11.3 Construction of tangents to a circle Exercise 11.2 11.4 Summary
Chapter 12: Areas Related to Circles	 233-236 242-249	12.1 Introduction 12.2 Perimeter and area of a circle – A review Exercise 12.1 12.4 Areas of combinations of plane figures Exercise 12.3
Chapter 13: Surface Areas and Volumes	260-264 264-271	13.4 Conversion of solid from one shape to another Exercise 13.3 13.5 Frustum of a cone Exercise 13.4
Chapter 14: Statistics	303-307	14.5Graphical representation of cumulative frequency distribution - Exercise 14.4
Chapter 15: Probability	309 325-326	15.1 Introduction Exercise 15.2

SCIENCE
CLASS IX

PHASE I			**40 marks**
Unit I:	1.	Matter in Our Surroundings	4 marks
	3.	Atoms and Molecules	7 marks
Unit II:	5.	The Fundamental Unit of life	7marks
	7.	Diversity in Living Organisms	6 marks
Unit III:	8.	Motion	5 marks
	11.	Work and Energy	5 marks
Unit IV:	13.	Why do we Fall ill	6 marks

PHASE II			**40 marks**
Unit I:	2.	Is Matter Around Us Pure?	5 marks
	4.	Structure of the Atom	7 marks
Unit II:	6.	Tissues	7 marks
Unit III:	9.	Force and Laws of Motion	6 marks
	10.	Gravitation	4 marks
	12.	Sound	5 marks
Unit V:	15.	Improvement in Food Resources	6 marks

DROPPED TOPICS (NOT TO BE ASSESSED)

Chapter	Dropped topics (Not to be assessed)
Chapter 2: Is Matter Around us Pure	2.3.1 How can we obtain coloured component (dye) from blue/black ink? 2.3.2 How can we separate cream from milk? 2.3.3 How can we separate a mixture of two immiscible liquids? 2.3.4 How can we separate a mixture of salt and ammonium chloride? 2.3.5 Is the dye in black ink a single colour? 2.3.6 How can we separate a mixture of two miscible liquids? 2.3.7 How can we obtain different gases from air? 2.3.8 How can we obtain pure copper sulphate from an impure sample?
Chapter 3: Atoms and Molecules	3.5 Molecular Mass and Mole Concept 3.5.1 Molecular Mass 3.5.2 Formula Unit Mass 3.5.3 Mole Concept
Chapter 7: Diversity in Living Organisms	7.1 What is the basis of Classification?
Chapter 8: Motion	8.5.1 Equation for velocity-time relation 8.5.2 Equation for position-time relation 8.5.3 Equation for position-velocity relation
Chapter 9: Force and Laws of Motion	9.6 Conservation of Momentum Activity- 9.5 & 9.6 Examples- 9.6, 9.7, 9.8
Chapter 11: Work and Energy	11.3.1 Commercial Unit of Energy
Chapter 12: Sound	12.6 Structure of Human Ear
Chapter 13: Why do we Fall Ill	13.1.2 Personal and Community Issues both matter for health 13.1.3 Distinctions between 'Healthy' and 'Disease-free' 13.3.3 Organ-specific and Tissue-specific manifestations 13.3.5 Principles of prevention
Chapter 14: Natural Resources	Full chapter will not be assessed in the final examination. Teachers to assign students to read this chapter and assess through ctivities/assignments/write-ups/projects, etc and give marks for Internal Assessment
Chapter 15: Improvement in Food Resources	15.1.1 Crop variety improvement

Note: Information in boxes in all the chapters will not be assessed in the final examination.

SCIENCE
CLASS X

Unit-Wise Weightage

Part 'A' External **Time : 3 hours** **Marks : 80**

Unit I	**Chemical substances**		
	1.	Chemical Reaction and Equations	9 marks
	2.	Acids, Bases and Salts	
	3.	Metals and Non-metals	7 marks
	4.	Carbon and its compounds	7 marks
Unit II	**Living World**		
	6.	Life Processes	12 marks
	7.	Control and Coordination	
	8.	How do Organisms Reproduce?	11 marks
	9.	Heredity and Evolution	
Unit III	**Natural Phenomena**		
	10.	Light- Reflection and Refraction	13 marks
	11.	Human Eye and Colourful World	
Unit IV	**Electric Current and its Effects**		
	12.	Electricity	13marks
	13.	Magnetic Effects of Electric Current	
Unit V	**Natural Resources**		
	14.	Sources of Energy	8 marks
	15.	Our Environment	

DROPPED TOPICS (NOT TO BE ASSESSED)

Chapter	Dropped topics/Chapters
Chapter 1: Chemical Reaction and Equations	1.3.1 Corrosion 1.3.2 Rancidity
Chapter 5: Periodic Classification of Elements	Full chapter will not assessed
Chapter 7: Control and Coordination	7.1.3 How are tissues protected? 7.1.4 How does the nervous tissue cause action?
Chapter 8: How do Organisms Reproduce?	8.1 Do Organisms create exact copies of themselves? 8.1.1 The importance of Variation 8.3.1 Why the sexual mode of reproduction?

Chapter 9: Heredity and Evolution	9.1 Accumulation of variation during reproduction 9.3 Evolution 9.3.1 An illustration 9.3.2 Acquired and Inherited Traits 9.4 Speciation 9.5 Evolution and classification 9.5.1 Tracing evolutionary relationships 9.5.2 Fossils 9.5.3 Evolution by stages
Chapter 14: Sources of Energy	14.3.2 Energy from the sea 14.3.3 Geothermal energy
Chapter 16: Management of Natural Resources	Full chapter will not be assessed in the final examination. Teachers to assign students to read this chapter and assess through activities/assignments/write-ups/projects, etc and give marks for Internal Assessment

Note: Information in boxes in all the chapters will not be assessed in the final examination.