

SPLIT UP SYLLABUS FOR BIOLOGY

Session : 2012-2013

Term-I [FA1 + FA2 + SAI] APRIL-SEP.	
FA-I [APRIL TO JUNE]	
Chapters :-	
1. FOOD:-	Plant & Animal Breeding and Selection for Quality Improvement & Management; Use of Fertilisers; Manures; Protection from Pests & Diseases; Organic Farming.
2. UNIT : ORGANISATION IN THE LIVING WORLD.	
Chapters:-	Cell-Basic Unit of Life; Prokaryotic & Eukaryotic Cells; Multicellular Organisms; Cell Membrane & Cell Wall, Cell Organelles; Chloroplast, mitochondria, vacuoles, Endoplasmic Reticulum, Golgi Apparatus, Nucleus; Chromosomes - basic structure, number.
Activities/ Practicals/ Assignments:-	
	<ol style="list-style-type: none"> 1. To test the presence of <ol style="list-style-type: none"> (a) starch in the given food sample (b) Adulterant Metanil Yellow in Pulses. 2. To study the different parts of a microscope. 3. To prepare a stained temporary mount of Onion peel. 4. Class Assignment (Based on Activity Sheet) 5. Home Assignment (Based on Question Answers of Chapter) 6. Group Discussion/Quiz.
FA-II (July to August)	
* Chapters:-	
UNIT - Organisation in the Living World.	
	Tissues - Epithelial, Connective, Muscle, Nervous. Structure & Function of Plant Tissues (Meristematic & Permanent Tissues). Structure & Function of Animal Tissues.
Activities/ Practicals/ Assignments.	
Practicals:-	<ol style="list-style-type: none"> 1. To prepare stained temporary mounts of Human Cheek Cells. 2. To identify Parenchyma, and Sclerenchyma tissues in plants. 3. To identify Stripped Muscle Fibres & nerve cells in animals. from prepared slides and to draw the labelled diagrams. 4. To determine the percentage of water imbibed by raisins.
* Paper Pen Test	
(Portion for Test) : <ol style="list-style-type: none"> 1. Improvement in Food Resources; 2. The fundamental Unit of life 	
* Class Assignment (Based on Activity Sheet)	
* Viva Voce based on "Hands on Practical"	
* Home Assignments (Based on NCERT Questions of Chapters Taught.)	
SA - I (September)	
All the Chapters for SA-I as mentioned in CBSE curriculum & taught in FAI & FAII.	

DESIGN OF SAMPLE QUESTION PAPER - 2012-13

Syllabus – Class IX

Science Class-IX Term - I

Time: 3 Hrs.

MM : 90

S.No.	Content	Marks Theory	Marks MCQ	Total Marks
1.	Food	11	2	13
2.	Matter-Its nature & behaviour	19	10	29
3.	Organisation in living world	14	4	18
4.	Motion, Force and Work	28	2	30
	Total	72	18	90

WEIGHTAGE OF QUESTIONS:

S. No.	Type of Questions	(Marks for each question)	(No. of questions)	Total Marks
1.	VSA	1	x 3	3
2.	SA-I	2	x 4	8
3.	SA-II	3	x 12	36
4.	LA	5	x 5	25
5.	MCQ	1	x 18	18
	Total		42	90

SCHEME OF OPTIONS:

There will be no overall choice. However, there is an internal choice in every question of 5 marks category.

WEIGHTAGE TO DIFFICULTY LEVEL OF QUESTIONS:

Easy	15%
Average	70%^
Difficult	15%

TPOLOGY OF QUESTIONS:

In order to assess different abilities related to the subject, the question paper includes open ended questions, drawing/ illustration based questions, communication skill based questions and activity based questions.

Blue Print

FORMS OF QUESTIONS:

S.No.	Unit	VSA	SA(I)	SA(II)	LA	MCQ	Total
1.	Food	-	-	6(2)	5(1)	2(2)	13(5)
2.	Matter-Its nature and behaviour						
	(a) Matter in our Surroundings	1(1)	-	3(1)	5(1)	5(5)	
	(b) Is matter around us Pure?	-	2(1)	3(1)	5(1)	5(5)	29(16)
3.	Organisation in living world						
	(a) Fundamental Unit of Life	1(1)	2(1)	3(1)	-	2(2)	
	(b) Tissues	-	2(1)	6(2)	-	2(2)	18(10)

Syllabus – Class IX

4.	Motion, Force and Work						
	(a) Motion	-	-	3(1)	5(1)		
	(b) Force and laws of motion	1(1)	-	6(2)	5(1)	2(2)	30(11)
	(c) Gravitation	-	2(1)	6(2)	-	-	
	Total	3(3)	8(4)	36(12)	25(5)	18(18)	90(42)
TERM - II (FA3+FA4+SA2)							
[OCTOBER TO FEBRUARY]							
FA3 [OCT - DEC]							
Chapters:- UNIT: ORGANISATION IN THE LIVING WORLD							
I. Diversity of plants and animals : Nomenclature; Major groups of plants and salient features. Major groups of Animals and their salient features with examples.							
II. Health & Diseases (Why do we Fall ill?) Health & its failure, Infectious & Non infectious diseases; their causes and manifestation. Diseases caused by microbes of their prevention; Principles of treatment and prevention. Pulse polio programmes.							
Activities/Practicals/ Assignments							
<ul style="list-style-type: none"> • To study the characters of Spirogyra/ Agaricus/ Moss/ Fern; Pinus and angiospermic plants. • To observe and draw the specimens - Earthworm; Cockroach, Bony Fish & Bird. • Class Assignment (Based on Activity sheet framed) • Home Assignment (Based on Questions of Exemplar problems of NCERT) • Group Discussions/ Quiz 							
FA IV [January & February]							
Chapters:-							
1. UNIT : OUR ENVIRONMENT:- Chapter : Natural Resources = Physical Resources - Air, Water and Soil. Air for respiration, for combustion, for moderating temperatures; movements of air & its role in bringing rains across India. Bio-geochemical cycles in nature : Water, Oxygen, Carbon and nitrogen.							
Practicals/ Activities/ Assignments							
Practicals :-							
<ul style="list-style-type: none"> • To study the life cycle of Mosquito. • To study the external features of root, stem, leaf and flower of monocot and dicot plants. 							
Pencil Paper Test : (Portion of Test)		<ol style="list-style-type: none"> 1. Diversity in living Organisms 2. Why do we fall ill? 					
<ul style="list-style-type: none"> • Class Assignment (Based on Activity Sheet framed) • Home Assignment (Based on Question Answers or Exemplar problems of NCERT) • Viva Voce based on “Hands on Practicals”. 							
SA-II (February - March)							
All the chapters for SA II as mentioned in CBSE curriculum & taught in FA3 & FA4.							

SCIENCE CLASS IX TERM - II

SUMMATIVE ASSESSMENT - II

Distribution of marks - Chapterwise				
S.No.	Content	Theory Marks	MCQ Marks	Total Marks
1.	Matter-Its nature & behaviour	15	2	17
2.	Organization in living world	19	6	25
3.	Motion, Force & Work	26	10	36
4.	Our Environment	12	-	12
	TOTAL	72	18	90

Weightage of questions

S.No.	Content	Marks for each question	No. of questions	Total Marks
1.	VSA	1	3	3
2.	SA-I	2	4	8
3.	SA-II	3	12	36
4.	LA	5	5	25
	Total Theory		24	72
5.	MCQs	1	18	18
	Grand Total		42	90

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S.No.	Form of Questions	VSA	SA-I	sA-II	LA	MCQ	Total
	Unit						
1.	Matter-Its Nature and Behaviour (a) Atoms and Molecules (b) Structure of atom	1(1) -	- -	6(2) 3(1)	- 5(1)	2(2) -	17(7)
2.	Organisation in the Living World (a) Diversity in living organisms (b) Why do we fall ill	- -	2(1) -	6(2) 6(2)	- 5(1)	6(6) -	25(12)
3.	Motion, Force & Work (a) Floatation (b) Work, Energy and Power (c) Sound	- 1(1) -	2(1) 2(1) 2(1)	3(1) 3(1) 3(1)	- 5(1) 5(1)	6(6) - 4(4)	36(19)
4.	Our Environment (a) Water, air, ozone layer (b) Mineral riches in soil, biogeochemical cycles in nature, greenhouse effect	1(1) -	- -	3(1) 3(1)	- 5(1)	- -	12(4)
	Total	3(3)	8(4)	36(12)	25(5)	18(18)	90(42)

Note : Numbers in parenthesis are number of questions.

DAV MODEL SCHOOL, DURGAPUR
SYLLABUS FOR ART AND CRAFT

SESSION : 2012-2013

TERM - I		
SUMMATIVE ASSESSMENT-I - IN THE MONTH OF SEPTEMBER - 2012		
MONTH	SYLLABUS FOR - ART	SYLLABUS FOR CRAFT
APRIL	1. Draw and colour :- Still Life 2. Composition :- Nature Study	1. Greeting Cards:- 2. Print Making
MAY	1. Composition :- Role of Education on Population Control	
JUNE	1. Composition : City life (Draw and colour) 2. Composition : Land Scape	
JULY	1. Poster Making :- Biodiversity connecting with Nature 2. Composition : Rainy Season	1. Book Cover Design
AUGUST	1. Composition :- Summer Season 2. Composition : Independence Day	
SEPTEMBER	1. Figure Drawing 2. Head Study	
TERM - II		
SUMMATIVE ASSESSMENT - II IN THE MONTH OF FEBRUARY - MARCH 2013		
MONTH	SYLLABUS FOR - ART	SYLLABUS FOR - CRAFT
OCTOBER	1. Composition :- Bus - stand 2. Poster Making :- Poster on AIDS/HIVS	1. Greeting Cards - Festival 2. Fabric Painting
NOVEMBER	1. Still life :- (Draw and Colour) 2. Composition :- Market Place	
DECEMBER	1. Draw and colour : Cartoon Figures	
JANUARY	1. Draw and Colour - Any Design	1. Collage Making
FEBRUARY	1. Composition : Scenery with Animal 2. Revision	
MARCH	1. Examination	

Divided Syllabus - 2012-13

English

- Name of Text Books-** Interact In English, Literature Published by CBSE
- Main Course Book, Revised Edition
 - Interact In English, Work Book

MONTH	PROTION
APRIL	Prose : 1. How I Taught My Grandmother To Read Poetry : 1. The Brook MCB : People (Unit-I) (Notice, Message Writing) Grammar : Verb Forms (Error Correction, Omission)
	Formative Activity for April
	1. Quiz on How I Taught My Grandmother to Read. Marks 10
MAY	Poetry : 1. The Road Not Taken MCB : Unit II Adventure [Bio Sketch, Data Interpretation] Grammar : 1. Determiners (Sentence Reordering & Tranfformation)
	Formative Activity for the month
	1. Book Review - Summar Assignment 10 marks. 2. a. Essay Writing Competition in Class 10 marks or b. Chart Making on Various Career options after Std. X
	Topics <ul style="list-style-type: none"> • Students & Career Options • Peer Pressure & Students • Parents and Students - The Wish Clash • Enterprising Students
	Holidays for Summer Break
JUNE	Prose/ Poetry - The Road Not Taken (Continued) MCB - 1. Diary Entry from Literature Ch. I. 2. Factual Description of a place/ an event. Activity of June:- 10 marks "Declamation (Group Wise) 10 marks 2. Class work/ Home work Assignment/ Maintains of the class note book.
JULY	Prose - A Dog Named Duke Poetry - The Solitary Reaper

Syllabus – Class IX

MONTH	PORTION			
	MCB - Environment (unit-III) (Dialogue Completion) Grammar - Future Time Reference Drama - Villa For Sale			
AUGUST	Poetry - Lord Ullin's Daughter			
	MCB - Radio Show IX			
	PORTION FOR FORMATIVE ASSESSMENT - II			
	Total Marks 50			
	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Pen paper Test - 20</td> <td style="width: 50%;">MCQ - 30</td> </tr> <tr> <td>1. A Dog Named Duke 2. Environment</td> <td>1. Lord Ullin's Daughter 2. The Solitary Reaper 3. Future Time Reference</td> </tr> </table>	Pen paper Test - 20	MCQ - 30	1. A Dog Named Duke 2. Environment
Pen paper Test - 20	MCQ - 30			
1. A Dog Named Duke 2. Environment	1. Lord Ullin's Daughter 2. The Solitary Reaper 3. Future Time Reference			
SEPTEMBER	Revision - (All chapters FA-I & II) SUMMATIVE ASSESSMENT - I			
OCTOBER	Prose : Keeping it from Harold Poetry : The seven Ages. MCB - Mystery (Unit V) (Formal, Informal Letter) Activity for October 1. Book Review during Puja Vacation 10 marks 2. Debate on 'Mystery' 10 marks Topics - <ul style="list-style-type: none"> • Reading Mystery stories divert - the mind of the youngsters • Solve mystery through puzzles grow dull and dependent on answers 			
NOVEMBER	Prose - The Man who knew too much Poetry - Oh, I wish I'd looked after me teeth. Grammar - Connectors. Activity for November 1. Spin A Yarn - 10 marks 2. Teeth Project - Self composed poem - Crossword puzzle 10 marks 3. Group Discussion - Too Much Knowledge is Harmful. 10 marks			
DECEMBER	Prose - Best Seller Poetry - The song of Rain MCB - Children (Unit 6) (Report Writing) E-mail Writing Grammar - Reported Speech			

Syllabus – Class IX

MONTH	PORTION	
JANUARY	MCB - Sports & Games (Unit 7) (Story Writing) Grammar - Prepositions	
	PORTION FOR FORMATIVE ASSESSMENT - IV	
	TOTAL - 50 MARKS	
	PEN - PAPER TEST 20 MARKS	MCQ 30 MARKS
	1. Best Seller 2. Reported Speech	1. Song of Rain 2. Preposition 3. Comprehension (Gap filling)
FEBRUARY	Revision of the Portion of	
	FA - III & FA - IV	
MARCH	SUMMATIVE ASSESSMENT - II	

Both the terms must have a Book Reading project

The Paper has 4 sections	
A. READING -	20 Marks
B. WRITING -	25 Marks
C. GRAMMAR -	20 Marks
D. LITERATURE -	25 Marks
A. Reading Section 20 Marks -	Consists of 3 passages (Factual/ Discursive/ Literary) of 400-500 words, 200-300 words and a poem less than 200 words respectively. Passage 1 - Supply Type - Gap Filling, Sentence Completion, Table Completion, Word Attack, Reference & Short answer Passage 2 - MCQ Passage 3 - MCQ
NB. Out of 20 marks in Reading Section; 5 marks must be allotted for Vocabulary Test.	
B. Writing Section - 25 marks -	Consists of 4 questions Q.1. A short composition 50 words (4 marks) (Notice/ Message/ Diary Entry) Q.2. Bio Sketch/ Data Interpretation/ Dialogue Writing/ Factual Description (6 marks) Q.3. 120 words Formal/ Informal letter/ Email (7 marks) Q.4. 150 words Article/ Speech/ Report or Story. (8 marks)
C. Grammar Section - 20 marks	Consists of 4 questions 5 marks each Q1 & Q2 MCQ Type (Gap filling, Sentence/Dialogue Completion) Q3, Q4 & Q5 Supply Type (Sentence reordering, Editing, Omission, Sentence Transformation) [INTEGRATED GRAMMAR]

Syllabus – Class IX

MONTH	PROTION
D. Literature Section - 25 marks	Q1. A MCQ Type (poetry) 3 marks. Q1. B. Extract from Short Story S.Q Type 3 marks. Q1. C. Extract from play S.Q. Type 3 marks Q2. 4 out of 5 questions need to be answered each containing 2 marks (4x2=8) Q3. One out of 2 long questions, based on personal response/ Creativity/ extrapolation imagination tested 150 words (8 marks)

Monthwise Divided Syllabus for Class - IX

Mathematics

SESSION - 2012-2013

First Term:-			
Sl.No.	Month	Chapter	Contents
1.	April	Algebra a) Number System	Introduction, Irrational Numbers, Real Numbers and their Decimal Expansions, Representing Real Numbers of Exponents for Real Numbers
		b) Polynomials	Introduction, polynomial in one variable, zeroes of a polynomial, Remainder Theorem, Factorisation of Polynomial, Algebraic Identities
2.	MAY	Coordinate Geometry	Introduction, Cartesian system, Plotting a point in the plane if its coordinate are given.
3.	JUNE	Geometry i) Lines and Angles	Basic Terms and Definitions, Intersecting and non-intersecting lines, pair of Angles, Parallel line and a Transversal lines, Lines parallel to the same line, Angle sum property of a triangle
4.	JULY	ii) Triangles	Introduction, Congruence of Triangles, Criteria for congruence of Triangles, some properties of a Triangle.
		Mensuration (i) Heron's Formula)	Introduction, Area of a Triangle by Heron's formula, Application of Heron's formula in finding areas of Quadrilaterals.
5.	AUGUST	Geometry (ii) Triangles (contd.)	Some more criteria for congruence of Triangle. Inequalities in a Triangle
6.	SEPTEMBER	-	Revision, Summative Assessment - 1 Exam.
FORMATIVE ASSESSMENT - 1 [APRIL TO JUNE] Weightage 10%			
ACTIVITIES & PROJECTS:			
		Activity No. 1	To show any irrational Numbers (Example 2, 3, 5 etc) on the number line. (Using Graph paper)
		Activity No. 2	To obtain the mirror image of a given geometrical figure with respect to the X-axis and the Y-axis.
		Activity No. 3	To show that the area of a Triangle is half of the product of its base and height using paper cutting and pasting.
		Activity No. 4	To verify the Mid-point Theorem for a Triangle using paper cutting and pasting.
		Project:	History of the number " π " or History of Indian Mathematicians [To study the history of Indian mathematician and their participation in Mathematation]

Syllabus – Class IX

Sl.No.	Month	Chapter	Contents			
FORMATIVE ASSESSMENT - 2 [JULY]						
Portion - 1. Number System 2. Coordinate Geometry 3. Lines & Angles (Geometry)						
SUMMATIVE ASSESSMENT - 1 [SEPTEMBER]						
1.		Number System	- 17 marks			
2.		Algebra (Polynomials)	- 25 marks			
3.		Coordinate Geometry	- 06 marks			
4.		Geometry [Euclid's Geometry Lines & Angles, Triangles]	- 37 marks			
5.		Mensuration [Heron's Formula]	- 05 marks			
		Total	- 90 marks			
BLUE PRINT : SA-1 (IX) : MATHEMATICS						
Unit/Topic		1	2	3	4	Total
Number system		1(1)	2(1)	6(2)	8(2)	17(6)
Algebra (Polynomials)		3(3)	4(2)	6(2)	12(3)	25(10)
Geometry (Euclid's Geom. Lines & Angles, Triangles)		2(2)	4(2)	15(5)	16(4)	37(13)
Coordinate Geometry		-	2(1)	-	4(1)	6(2)
Mensuration (Heron's Formula)		2(2)	-	3(1)	-	5(3)
Total		8(8)	12(6)	30(10)	40(10)	90(34)
2nd Term (Monthwise Division syllabus)						
1	October	Algebra [Linear Equations in two variables]	Introduction, Linear equations, Solution of a Linear Equation, Graph of a Linear Equation in two varieties. Equations of Lines parallel to x-axis and y-axis.			
		Geometry (i). Quadrilaterals]	Introduction, Angle Sum property of a Quadrilateral types of Quadrilaterals, parallelogram Another condition for a quadrilateral to be a parallelogram Another condition for a Quadrilateral to be a parallelogram, The Mid point Theorem.			
2	NOVEMBER	Geometry (i) Construction	Introduction, Basic constructions, some constructions of Triangles.			
		(iii) Areas of Parallelograms and Triangles	Figure on the same base and between the same parallels, parallelograms on the same base and between the same parallels, Triangles on the same base and between the same parallels.			
		Mensuration [Surface Areas & Volumes]	Surface area of a cuboid and a cube. Surface area of a Right Circular cylinder, cone & sphere, volume of a cuboid & a cylinder.			
3.	DECEMBER	Statistics	Introduction, collection of data, presentation of Data Graphical Representation of Data, Measures of Central Tendency			
		Probability	Probability - an Experimental Approach with Introduction.			

Syllabus – Class IX

Sl.No.	Month	Chapter	Contents
		Geometry (Circles)	Introduction, circles and its Related Terms, Angle Subtended by a chord at a point. Circle Through Three Points.
	JANUARY	Geometry (Circles) Contd.	Equal chords and their Distances from the centre Angle Subtended by an Arc of a circle, cyclic Quadrilaterals.
Revision for Summative Assessment - 2			
FORMATIVE ASSESSMENT - 3 [Oct. to Dec.]			
ACTIVITIES :-		1. To verify that the Quadrilateral form by joining the Mid-Points of the sides of a quadrilateral is a Parallelogram- 2. To show that the Area of a Parallelogram is the Product of its base and height. 3. Angles in the same segment of a circle are equal 4. To find the surface area of a right circular cylinder. [All of the above using paper cutting and pasting.	
PROJECT:		Design two crossward puzzle with mathematical term. OR Sample Project - PYTHAGORAS THEOREM.	
FORMATIVE ASSESSMENT - 4 [January]			
		i. Mensuration [Surface area & volume] ii. Linear Equations in two variables iii. Geometry [Area of Parallelogram & Triangles]	
2nd Term Summative Assessment - 2			
1.	Algebra (Contd) Linear Equations in two variables	-	16 marks
2.	Geometry (Contd.) Quadrilaterals + Areas of Parallelograms and Triangles + Construction	-	38 marks
3.	Mensuration (contd) Surface Areas & Volumes	-	18 marks
4.	Statistics & Probability	-	<u>18 marks</u>
	Total	=	90 marks
BLUE PRINT:- As per CBSE Curricullum (Guide Lines)			

MATHEMATICS - IX
[BLUE PRINT FOR SA-2]

Topic/Unit	1	2	3	4	Total
Algebra (Linear equation in two variable)	2(2)	-	6(2)	8(2)	16(6)
Geometry (Quadrilaterals, Area of 11 gms and Triangles) + Circles and constructions	2(2)	4(2)	12(4)	20(5)	38(13)
Mensuration : Surface areas & volumes	2(2)	2(1)	6(2)	8(2)	18(7)
Statistics and Probability	2(2)	6(3)	6(2)	4(1)	18(8)
Total	8(8)	12(6)	30(10)	40(10)	90(34)

Divided Syllabus of Social Science

- Text Books :**
1. Unit 1 - India and the Contemporary World - I (History)
 2. Unit 2 - Contemporary India - I (Geography)
 3. Unit 3 - Democratic Politics - 1 (Political Science)
 4. Unit 4 - Understanding Economic Development (Economics)
 5. Unit 5 - Disaster Management

Session : 2012-2013

Term - 1		
Formative Assessment - 1 (April - June) 50 marks		
1. Project on Disaster Management	-	To identify two very recent disasters in world and to make a pictorial report on extent of its damage and the relief works. (Month - May) - 10 marks
2. Map works on 'Physical feature of India'	-	(Location, drainage of India) (Month - June) - 10 marks
3. Class Activity on 'Germany under Nazism'	-	(Political, Socio-economic condition of Germany under Nazi Rule) - (Month - April) 10 marks
4. Class and Home Assignments	-	(April - June) - 10 marks
5. To prepare a report on 'A Model Village'	-	(showing producing sectors, occupational pattern, infrastructures, Education, health] - (Month - April) - 10 marks
Total = 50 marks		
FA-I Activities		
Activity of FA-II (Formative Assessment)		
Month - July		
1. Pen and paper test	-	20 marks
2. Cross word puzzles	-	10 marks
3. Terminology	-	10 marks
4. Multiple Choice Questions	-	10 marks
Total		= 50 marks
Chapters for Formative Assessment - II		
1. History	-	French Revolution
2. Geography	-	Location of India
3. Political Science	-	Democracy in the contemporary world
4. Economics	-	Story of Village Palampur
Month	Subject	Chapter/Content
April	History	French Revolution (Contd)
	Geography	Location of India (Comp)

Syllabus – Class IX

Month	Subject	Chapter/Content
	Political Science Economics	Democracy in the contemporary world (Contd.) Story of Village Palampur (Contd.)
May	History Geography Political Science Economics	French Revolution (Comp) India, Physical features (contd.) Democracy (Comp) Story of Palampur (Comp)
SUMMER VACATION		
June	History - Nazism and the rise of Hitler Geography Political Science Economics	Nazism and Rise of Hitler (contd.) India : Physical features (comp) What is democracy? Why democracy (contd.) People as resource (contd.)
July - August - Formative Assessment - II		
July	History Geography Political Science Economics	Nazism and the Rise of Hitler (Comp) Drainage of India (comp) What is democracy? Why democracy? (comp) People as Resource (comp)
FA - 1 and FA-II activities and portions are given in Page - 2		
August	History Geography Political Science Economics	Revisions with class and home assignment Revisions with class and home assignments Revisions and starting of 'constitutional design Revisions with class and home assignments. Class Tests of 4 subjects
September	Summative Assessment - 1	
	Potions:-	
	1. History	1. French Revolution 2. Nazism and the Rise of Hitler
	2. Geography	1. Location of India 2. India - Physical feature 3. Drainage of India
	3. Political Science	1. Democracy in the contemporary world 2. What is democracy 3. Constitutional Design
	4. Economics	1. Story of Palampur 2. People as resource

Syllabus – Class IX

Term - 2		
October	History Geography Political Science Economics	Forest Society and Colonialism (contd) Climate (contd) Electoral Politics (contd) Poverty as a challenge (contd)
Activities of FA-3 (Formative Assessment)		
Each activity of 10 marks		
	1. Political Science	To prepare an Electronic Voting Machine and a short note on the function of it (Workable model in group activity)
	2. Geography	Bar graph, Line graph and Histogram (Individual activity in a graph file)
	3. Economics	Project in group on Finding out the status of poverty in nearby area with preformed questionnaire
	4. Class and Home Assignment	
	5. Map file of Geography	
Portion for FA-4		
	1. History	- Society and Colonialism
	2. Geography	- Climate
	3. Political Science	- Electoral Politics
	4. Economics	- Poverty as a challenge
Month	Subject	Chapter
November	1. History 2. Geography 3. Political Science 4. Economics	Forest Society and Colonialism (comp) Climate (comp) Electoral Politics (comp) Poverty as a challenge (comp)
December	History Geography Political Science Economics	Peasants and farmers (contd) Natural Vegetation and Wildlife (contd) Working of the institution (comp) Food security of India (comp)
January	History Geography Political Science Economics	The story of cricket (comp) Natural Vegetation and wildlife (comp) Democratic Rights (comp) Revision
February	History Geography Political Science Economics	Revision Revision Revision Revision

Summative Assessment -II	
Portion of SA-II	
1. History	1. Forest Society and Colonialism 2. Peasant and farmers 3. Story of Cricket
2. Geography	1. Climate 2. Natural Vegetation and Wildlife
3. Political Science	1. Electoral Politics 2. Working of the institutions 3. Democratic Rights
4. Economics	1. Poverty as a challenge 2. Food security of India

Marks Division and Blue Print

as per the instruction of CBSE	
FA-1 = 50 (10%)	History = 23 marks
FA-2 = 50 (10%)	Geography = 23 marks
SA-I = 90 (30%)	Political Science = 22 marks
FA-3 = 50 (10%)	Economics = 22 marks
FA-4 = 50 (10%)	
SA-2 = 90 (30%)	

Computer

Session : 2012-2013

TERM - FAI	
April	Convergence : Computer
	Characteristics and working of computer, processing of Data, functional elements of a CPU.
	Computer Devices Input Devices, (Keyboard, Mouse, Joystick, Scanner, OMR, OCR, MICR, Graphic Tablet, Light Pen, Bar Code Reader, Microphone, Digital Camera etc.) Hardware element of a CPU, Memory and Storage Devices (Primary Memory, Cache Memory, Units of Storage, Secondary Memory) Auxiliary Memory) Motherboard, SMPS, Processor, Posts and Cards, Output Devices (Pointer, Speaker, Plotter, Monitor).
	Co-Scholastic Area and Activity
	Class work : To solve different types of question answers. Activity : To make a presentation on COMPUTER and COMPUTING DEVICES to explore new areas where IT Tools can be applied, to develop THINKING SKILLS.
May	Software Application Software (Application Package, Customized Package), System Software), Specific purpose Application software (Accounting Management System, Reservation System, H.R. Management System, Parole system, Attendance Management system, School Inventory control system, Billing system) Utility S/w, Virus, Scanner/Cleaner, Encryption/Decryption Tools.
	Class work : To solve all possible question answers based on Software chapter from exercise and from inside of chapter.
	Activity/Homework : To make a presentation/data collection - related with usage of freeware software as a social issue.
TERM - FA - II	
June	Operating System (GNU LINUX) Classification of OS, History of LINUX, Distributions of Linux, Features of Linux, Terms related to Mouse, Keyboard, Shortcuts in Linux.
	Activity work : Lab Assignment related to the Topic (LINUX), Typing practice and use of keyboard shortcuts.
July	The KDE-Desktop (Icons-Home, Trash, Panel, System Tray, clock applet, main menu button), Basic Components of a window screen in KDE, Pop-up menu, File Manager, Working with Files and Folders (Create, Move, copy, Rename, Delete), Viewing the properties of a File/Folder, Creating shortcut of a program/Application/File or Folder, Basic Accessories of Linux in KDE Environment (KWrite Kscale).
	Class work : Solving question, answers from completed chapter. Activity : To make assignment based on the use of different types of operating system, its facilities, advantages and disadvantages.
AUG	WORDPROCESSOR Features of a word processor, Parts of the screen of a word processor, working with writer (create, open, close, save, print a document), Editing text (Undo, Redo, Copy, Cut, Paste, Find and Replace etc.). Formatting the document, format paintbrush, Paragraph formatting (Text Alignment, Indentation, Line Spacing, Paragraph spacing, Page Formatting (Page Orientation, Margin etc.

Syllabus – Class IX

	<p>Class work : Solving of questions from exercise and inside of chapter.</p> <p>Activity : Making of Poster, leaflet in word processor for school as a part of THINKING SKILL.</p>
Sep.	<p>Additional Features of Word processor Inserting symbol, Date and Time, and Pictures, Bullets and Numbering, Spelling and Grammar, Tables, Borders and shadows.</p> <p>Class work : Solving of questions from inside of chapter and exercise.</p> <p>Activity : Project work based on covered topics to improve SCIENTIFIC SKILL.</p> <p>REVISION</p>
SA-I	
FA-III	
OCT	<p>Additional Features of Word Processor Simple Mathematical Expression, Auto Format, Mail Merge, Track Changes.</p> <p>Class work : Discussion of questions from above mentioned chapter</p> <p>Activity : Lab Assignment Related to the topic.</p>
Nov.	<p>Convergence : Communication Technology Introduction to N/W, Advantages of Networking, Types of Network, Internet, Interspace (cyberspace), Media of communication, Convergence in content Technology, Data and Information, Multimedia and its usage.</p> <p>Graphical Presentation : Components of a presentation, uses of presentation package, Impress, Making presentation, Inserting Information in a slide (Text, Text Box, Object) Slides Layouts, Viewing presentation, Editing and Formatting a slide.</p> <p>Class work : Solving of questions from inside of chapters and exercise.</p> <p>Activity : Group of students can make a presentation package using word, spreadsheet, presentation S/W, and be involved in a school program and develop THINKING SKILLS.</p> <p>Lab assignment related to the covered topics</p>
FA-IV	
DEC	<p>Effects in Presentation : Inserting pictures from files, Inserting Movie or sound in a slide, Custom Animation, Slide Transition, Setting Timing for a slide show, Date and Timing Text Box, Grouping and Un-Grouping pictures, Hiding Slides.</p> <p>Spreadsheet package : Features of spreadsheet package, parts of a workbook screen, Types of data, Entering Data in worksheet, Moving in a worksheet (using mouse, keyboard, and other shortcut keys), opening an existing workbook, printing a worksheet, working with workbook (Add, Delete, Rename, Move, Copy, Hide, Unhide sheets), Navigation, Editing in a worksheet, Formatting cells, AutoFill, Custom List.</p> <p>Class work : Solving of questions from inside of chapter and from exercise</p> <p>Activity : Lab Assignment related to the topics.</p> <p>Students can explore areas for career and opportunities in IT. Fields as a part of SOCIAL WORK.</p>

JAN	<p>Data Analysis in spreadsheet package - Formula with cell Address, Formula with cell names, cell referencing (Relative, Absolute, Mixed referencing), Operator, Functions, Mathematical, Date and Time, Statistical, Logical functions), Entering Function in a cell, copying a formula/Function, Common Errors, What if Analysis, Sorting and Filtering, Representation of Data through Charts) and Graphs, Components of a chart, Advantages of charts, Types of chart, Creating a chart.</p> <p>Impact of IT in Society</p> <p>Plgiarism, Privacy, Security and Integrity of Information, Intellectual property Rights, Careers in Information Technology (Software Development, Hardware and Network, MIS (Management Information System) IT Auxillary Services, Business in Computers, others.</p> <p>Class work : Solving of question answers from exercise, and inside of chapter.</p> <p>Project work : A project based on Networking where student can use word, spreadsheet, presentation packages.</p>
FEB	<p>REVISION</p> <hr/> <p>SA-2</p>

HINDI

निर्धारित पुस्तकें : क्षितिज भाग 1 एन.सी.ई.आ.टी.

कृतिका भाग 1 एन.सी.ई.आर.टी.

TERM 1 - APRIL TO SEPTEMBER - FA-I + FA-II + SA-I	
अप्रैल	क्षितिज – दो बैलों की कथा, सखियाँ एवं सबद व्याकरण – उपसर्ग, प्रत्यय, समास
मई	क्षितिज – ल्हासा की ओर कृतिका – इस जल प्रलय में
जून	क्षितिज – उपभोक्तावाद की संस्कृति व्याकरण – संज्ञा, सर्वनाम, कारक, अनुच्छेद लेखन
FA-I - APRIL TO JUNE	
क.	'दो बैलों की कथा' पाठ से दस मुहावरों का अर्थ लिखकर वाक्य प्रयोग – 10 अंक
ख.	स्वतंत्रता संग्राम से जुड़े किन्हीं दो महापुरुषों का जीवन परिचय – 10 अंक
ग.	पाठ्य पुस्तक से भिन्न कोई एक नीतिविषयक दोहा अर्थसहित कक्षा में सुनाना – 10 अंक
घ.	किन्हीं दो वस्तुओं का विज्ञापन – 10 अंक
ङ.	कक्षा एवं गृह कार्य – 10 अंक
FA-II - JULY	
PORTION	दो बैलों की कथा, ल्हासा की ओर सबद एवं राखियाँ, समास, उपसर्ग एवं प्रत्यय
जुलाई	क्षितिज – साँवले सपनों की याद, सवैये, वाख कृतिका – मेरे संग की औरतें व्याकरण – मुहावरे, अनुच्छेद लेखन, पत्र लेखन
अगस्त	क्षितिज – कैदी और कोकिला, ग्राम श्री
सितम्बर	SA-I
SA.I PORTION	अप्रैल से सितम्बर तक पढ़ाया गया संपूर्ण अंश
TERM 2 - OCTOBER TO FEBRUARY - FA-III + FA-IV + SA-II	
अक्टूबर	क्षितिज – नानार साहब की पुत्री देवी मैना चंद्र गहना से लौटती बेर

	व्याकरण – लिंग वचन का विशेषण पर प्रभाव, 'ने' परसर्ग का क्रिया पर प्रभाव, विलोम शब्द, पत्र लेखन, अनुच्छेद लेखन																				
नवम्बर	क्षितिज – प्रेमचंद के फटे जूते, मेघ आए, यमराज की दिशा कृतिका – माटी वाली																				
FA-III - OCTOBER TO DECEMBER																					
क.	वाद विवाद – भक्ति बनाम अंधविश्वास – 10 अंक																				
ख.	बाल श्रम पर आधारित पोस्टर एवं कविता लिखें – 10 अंक																				
ग.	पर्यायवाची शब्द – 10 अंक																				
घ.	सांप्रदायिक सद्भावना' विषय पर 400 शब्दों में निबंध लिखें – 10 अंक																				
ङ.	कक्षा एवं गृह कार्य – 10 अंक																				
FA-IV - JANUARY																					
PORTION -	नाना साहब की पूत्री देवी मैना...., चंद्रगहना से लौटती बेर, रीढ़ की हड्डी, 'ने' परसर्ग का प्रयोग, लिंग वचन का विशेषण पर प्रभाव, समास																				
जनवरी	क्षितिज – एक कुत्ता और एक मैना कृतिका – किस तरह आखिरकार मैं हिन्दी में आया व्याकरण – श्रुतिसम भिन्नार्थक, पर्यायवाची																				
फरवरी	पुनरावलोकन, SA-II परीक्षा																				
SA-II PORTION - अक्टूबर से जनवरी तक पढ़ाया गया सम्पूर्ण अंश																					
<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">SA-I (90 अंक)</td> <td style="text-align: center;">SA-II (90 अंक)</td> </tr> <tr> <td>खंड 'क' –</td> <td>खंड 'क', 'ग', 'घ'</td> </tr> <tr> <td>1. दो अपठित गद्यांश – (5x1) 2 वै.उ.</td> <td></td> </tr> <tr> <td>2. दो अपठित काव्यांश–(5x1) 2 वै. उ.</td> <td>SA-I के अनुसार</td> </tr> <tr> <td>खंड 'ख'</td> <td></td> </tr> <tr> <td>3. उपसर्ग 2 अंक – अ.ल.उ.</td> <td></td> </tr> <tr> <td>4. समास 4 अंक – अ.ल.उ</td> <td>खंड 'ख' – उपसर्ग – 2 अंक अ.ल.उ.</td> </tr> <tr> <td>5. संज्ञा 3 अंक अ.ल.उ.</td> <td>प्रत्यय – 2 अंक अ.ल.उ.</td> </tr> <tr> <td>6. कारक 2 अंक अ.ल.उ.</td> <td>समास – 2 अंक अ.ल.उ</td> </tr> <tr> <td>7. सर्वनाम 3 अंक अ.ल.उ.</td> <td>संज्ञा – 2 अंक अ.ल.उ.</td> </tr> </table>		SA-I (90 अंक)	SA-II (90 अंक)	खंड 'क' –	खंड 'क', 'ग', 'घ'	1. दो अपठित गद्यांश – (5x1) 2 वै.उ.		2. दो अपठित काव्यांश–(5x1) 2 वै. उ.	SA-I के अनुसार	खंड 'ख'		3. उपसर्ग 2 अंक – अ.ल.उ.		4. समास 4 अंक – अ.ल.उ	खंड 'ख' – उपसर्ग – 2 अंक अ.ल.उ.	5. संज्ञा 3 अंक अ.ल.उ.	प्रत्यय – 2 अंक अ.ल.उ.	6. कारक 2 अंक अ.ल.उ.	समास – 2 अंक अ.ल.उ	7. सर्वनाम 3 अंक अ.ल.उ.	संज्ञा – 2 अंक अ.ल.उ.
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7. सर्वनाम 3 अंक अ.ल.उ.	संज्ञा – 2 अंक अ.ल.उ.																				

8. मुहावरे 4 अंक अ.ल.उ. खंड 'ग'	सर्वनाम – 2 अंक अ.ल.उ. लिंग वचन का विशेषण पर प्रभाव 2 अंक अ.ल.उ.
9. पठित गद्यांश संप्र 5x1 वै. उ	
10. गद्य पाठों से प्र. 2x5 ल.उ.	'ने' का क्रिया पर प्रभाव – 2 अंक अ.ल.उ.
11. पठित काव्यांश 1x5 अथवा 2+2+1 अ.ल.उ.	श्रुतिसम भिन्नार्थक – 2 अंक अ.ल.उ.
12. काव्य पाठों से प्रश्न 2x5=10 ल.उ.	पर्यायवाची – 2 अंक अ.ल.उ.
13. कृतिका के पाठों से 2x3=6 ल.उ.	
14. कृतिका के पाठों से 1x4=4 दी.उ. खंड 'घ'–	
15. अनुच्छेद लेखन – 1x5=5 दी.उ.	
16. पत्र लेखन – 1x5=5 दी.उ.	

ikB~;Øe 2012&2013

laLd`re~ (lEizs"kkRede)

पाठ्य पुस्तके : क. मणिका (पाठ्य पुस्तकम्) भाग – 1 संसोधित संस्करणम्
 ख. मणिका (अभ्यास पुस्तकम्) भाग – 1 संसोधित संस्करणम्
 (प्रकाशनमः के. मा.शि. बो. द्वारा)

ekg	ikB~; iqLrde~	vuqiz;qDr O;kdj.ke~
अप्रैल	प्रथमः पाठः 'तत्, त्वम्, असि' द्वितीय पाठः – अविवेकः परम आपदां पदम्	संस्कृत वर्णमाला – वर्ण – उच्चारण स्थानानि वर्तनी – वर्णसंयोजनम्, वर्णवियोजनम् संधि प्रकरणम् – स्वरसंधि (दीर्घ, गुण, वृद्धि, यण)
मई	तृतीयः पाठः – "पाथेयम्"	संधि प्रकरणम् – व्यजन संधि म् स्थान अनुस्वारः, णत्व विधानम्, वर्गीय प्रथम अक्षराणां तृतीय वर्ण परिवर्तनम्, त् स्थाने च्, त् थाने ल्, र् पूर्वस्य रेफस्य लोपः, दीर्घ स्वरत्वं च।
जून	चतुर्थ पाठः – "स्वस्थवृत्तम्"	संधिप्रकरणम् – विसर्ग संधि – विसर्गस्य उत्त्वं, रत्त्वं, लोपः, विसर्गस्य स्, श्, ष् शब्दरूपाणि – अकारान्ताः (बालकवत्) इंक. रान्ताः (कविवत्) पुंल्लिङ्गाः उकारान्ताः (साधुवत्) स्त्रीलिङ्गाः अजन्ताः – आकारान्ताः (रमावत्) इकारान्ताः (मतिवत्) ईकारान्ताः (नदीवत्) ऋकारान्ताः (मातृवत्) नपुंसकलिङ्गाः अजन्ताः – अकारान्ताः (फलवत्) उकारान्ताः (मधुवत्)
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जुलाई	पञ्चम पाठः – 'भ्रातृस्नैहस्तुं दुर्लभः' षष्ठः पाठः – विद्यया भान्ति सदगुणाः	शब्दरूपाणि-सर्वनाम शब्दाः-यत्, तत्, किम् इदम् (त्रिषु लिङ्गेषु) अस्मद्, युष्मद्। धातुरूपाणि – लट्, लृट्, लङ् लकारेषु धातवः – परस्मैपदिनः – भ, पठ, हस, नम, अस, हन, क्रध, नश, न्त, आप, शक, इष, पच्छ, क, ज्ञा, भक्ष, चिन्त आत्मनेपदिनः – सेव्, लभ्, रुच्, भुद्, याच्। उभयपदिनः – नी, हृ, भज्, पंच्।
अगस्त	पुनरावृत्ति	उपपद विभक्तीनां प्रयोगः- द्वितीया – अभितः, परितः, उभयतः, तृतीया – सह, किम् चतुर्थी – नमः, स्वाहा, सामर्थ्ये पंचमी-बहिः, दिना भी, षष्ठी – परतः, पष्ठतः, तरप-तमप, अधः सप्तमी – कशल, निपुण, प्रवीणः प्रत्ययाः – तुमुन, क्त्वा, ल्यप् अपठित अवबोधनम्, रचनात्मक कार्यम्।

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सितम्बर	पुनरावृत्ति	सम्मेटिव असेसमेन्ट (SA-1) प्रथम पाठतः – षष्ठ पाठ पर्यन्तम्, व्याकरण
अक्टूबर	सप्तमः पाठः – ‘तरवे नमोऽस्तु अष्टमः पाठः – कर्मणा याति संसिद्धिम्	शब्दरूपाणि – हलन्त शब्दाना – राजन्, भवत्, आत्मन्, विद्वस, गच्छत्। संख्यावाचक शब्दानां – एक, द्वि, त्रि, चतुर, पञ्चन् धातुरूपाणि – पूर्व पठित
नवम्बर	नवमः पाठः – विजयताम् स्वदेशः दशमः पाठः – ‘कोऽहं वदतु साम्प्रतम्’	उपपद विभक्तीनां प्रयोगः – द्वितीया – समया, निकषा, प्रति, धिक, विना तृतीया – विना, अलम्, हीनः, प्रयोजनम्। चतुर्थी – अलम् (सामर्थ्ये) पंचमी – आरम्, प्रभद्, परः, अनन्तरम् षष्ठी – निर्धारणे, वामतः, दक्षिणतः, अनादरे। सप्तमी – स्निह, विश्वस, अनुरज्, भावे
दिसम्बर	एकादशः पाठः – ‘न धर्म वृद्धेषु वयः समीक्ष्यते’ द्वादशः पाठः – ‘कवयामि वयामि यामि’	प्रत्ययाः – क्त, क्तवत्, शतृ, शानच्।
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जनवरी	त्रयोदशः पाठः – ‘भारतीयं विज्ञानम् चतुर्दशः पाठः – ‘भारतेन ऽस्ति मे जीवनं जीवनम्	अपठित अवबोधनम् रचनात्मक कार्यम्
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संकताधारित कथालेखनम्, परिवेश परिचयः व्याकरणाधारित वैकल्पिक प्रश्न		
फरवरी एवं मार्च	पुनरावृत्ति	पुनरावृत्ति
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'क'	अपठित अवबोधनम्				
	पठनावबोधनम् बहुविकल्पात्मकाः (MCQ)				
	लघुत्तरात्मकाः (SA)				
(i)	एकः अनुच्छेदः			10	10
(ख)	रचनात्मककार्यम्				
(i)	अनौपचारिक पत्रम्	निबन्धात्मकः	1	05	15
(ii)	चित्रवर्णनम्/अनुच्छेदलेखनम्वा	निबन्धात्मकः	1	10	
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(ग)					
(i)	संस्कृत वर्णमाला	बहुविकल्पात्मकः	1	04	30
(ii)	सन्धिकार्यम्	बहुविकल्पात्मकः	1	05	
(iii)	शब्दरूपाणि	ब.वि/ल.उ.	1	05	
(iv)	धातुरूपाणि	ब.वि./ल.उ.	1	05	
(v)	उपपदविभक्तयः	ब.वि/ल.उ.	1	05	
(vi)	प्रत्ययाः	ब.वि/ल.उ.	1	06	
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(i)	गद्यांश-पद्यांश-नाट्यांश	ब.वि/ल.उ.	3	15	35
(ii)	भावावबोधनम्	ब.वि./ल.उ.	1	04	
(iii)	श्लोकान्वयः	ब.वि	1	04	
(iv)	प्रश्न निर्माणम्	लघुत्तरात्मकाः	1	04	
(v)	कथाक्रमः	निबन्धात्मकाः	1	04	
(vi)	शब्दार्थमेलनम्	ब.वि.	1	04	
				सम्पूर्ण भारः 90	
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Syllabus – Class IX

SPLIT UP SYLLABUS SUBJECT - PHYSICS

Session : 2012-2013

TERM - I [FA-I+FA-II+SA-I]	
[APRIL to SEPTEMBER]	
FORMATIVE ASSESSMENT - I [APRIL to JUNE]	
UNIT	: Motion, Force and Work.
CONTENTS	: Distance and displacement, velocity, Uniform and non-uniform motion along a straight line acceleration, distance - time and velocity - time graphs for uniform motion and uniformly accelerated motion, equations of motion by graphical method, uniform circular motion.
Activities/ Practicals/ Assignments :	
Class Assignments	: Based on activity sheet framed, question based on graphs, assessment based on numericals
Home Assignment	: Based on NCERT questions
Group Discussion/Quiz	
FORMATIVE ASSESSMENT - II [JULY to AUGUST]	
UNIT	: Motion, Force and Work
CONTENTS	: Force and Newton's Laws :- force and motion, Newton's laws of motion, inertia of a body, inertia and mass, momentum, force and acceleration, conservation of momentum, action and reaction forces
Gravitation	: Universal law of gravitation, Gravity or force of gravitation of the earth, acceleration due to gravity, mass and weight, free fall.
Activities/ Practicals/ Assignments:	
Experiment - (i)	: To study the third law of motion using two spring balances.
Class Assignment	: Based on activity sheet framed assessment based on numericals.
Home Assignments	: Based on NCERT question from the text.
Written Test - Portion	: Motion upto uniform circular motion.
SEPTEMBER -	SA-I Portion - Topics taught in FA-I and FA-II as prescribed by CBSE curriculum.
TERM - II [FA-III_FA-IV+SA-II [OCTOBER to MARCH]	
FORMATIVE ASSESSMENT - III [OCTOBER to DECEMBER]	
UNIT	: MOTION, FORCE and WORK
CONTENTS	: Flotation : Thrust and pressure, Archimedis principle , buoyancy, relative density work, energy, power: Work done by a force, energy, power, kinetic and potential energy, law of conservation of energy
Sound	: Production of sound, nature of sound wave and its propagation in various media speed of sound.
Activities/ Practicals/ Assignments	

Syllabus – Class IX

Experiment (1)	: To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.
Experiment (2)	: To establish the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
Experiment (3)	: To observe and compare the pressure exerted by a solid iron cuboid on fine sand/ wheat flour while resting on its three different faces and to calculate the pressure exerted in the three different cases.
Class Assignment	: Based on activity sheet framed. assessment based on numericals.
Home Assignment	: Based on NCERT questions from the text.
FORMATIVE ASSESSMENT - IV [JANUARY, FEBRUARY]	
UNIT	: MOTION, FORCE AND WORK
CONTENTS	: Sound :- Range of hearing in human, ultrasound, reflection of sound, echo and SONAR, structure of the human ear (auditory aspect only)
Activities/ Practicals/ Assignments :	
Experiment (4)	: To verify laws of reflection of sound
Experiment (5)	: To determine the velocity of a pulse propagated through a stretched string/slinky.
Class Assignment	: Based on activity sheet framed
Home Assignment	: Based on NCERT question from the text.
Written test - Portion	: Work, energy and power
FEBRUARY - MARCH-	Summative Assessment - II
Portion	Topics taught in FA-III and FA-IV as prescribed by CBSE curriculum

Syllabus of Class - IX 2012-2013

Subject - CHEMISTRY

Session : 2012-2013

Term - I (April to September)	
FA-I (April to June)	
Unit	: Matter in our surrounding
Contents	: Classification of matter as solids, liquids and gases. Properties of solid, liquids and gases. Diffusion, change of state of matter, Effect of change of temperature : Melting (Fusion), Boiling (Vaporisation); condensation and freezing. Latent heat of fusion and vaporation. Factors affecting evaporation.
UNIT	: Is matter around us pure.
Contents	: Elements, compounds and mixtures. Types of solutions and properties of solutions Properties of colloids, suspension, physical and chemical change. Separation of mixtures of two solids and two liquids. Filtration, centrifugation, evaporation, crystallisation fractional distillation.
Activities	<ol style="list-style-type: none"> 1. To study the change of state of sublimate solid on heating. 2. Prepare a model to demonstrate the intermolecular distance of solids, liquids and gases.
Practical	<ol style="list-style-type: none"> 1. To prepare a true solution of common salt, sugar and alum. Prepare a suspension of soil, chalk powder, sand. Prepare a colloidal solution of starch in water. 2. To prepare a mixture and a compound, using iron filings and sulphur powder.
Home Assignment : NCERT based Questions.	
FA-II (Written Test)	
Matter in our surrounding	
Term-II (October to March)	
FA-III (October to December)	
UNIT	: Atoms & Molecules
Contents	: Laws of chemical combination Dalton's atomic theory. Symbols of elements and atomic mass of an elements. Chemical formula. Molecular mass of ionic compounds Gram atomic mass and mole concept.
UNIT	: Structure of Atom.
Contents	: Discovery of electron proton and neutrons and their characteristics. Rutherford's Alpha particle scattering experiment, Rutherford's model of an atom and its drawback, Bohr's Model. Atomic number and mass number Arrangement of electrons in the atoms and the electronic configuration of elements, valence electrons, valency of elements. Isotopes and their application, Isobar.
Activities	<ol style="list-style-type: none"> 1. Prepare the diagram of electron distribution of 1 to 20 elements in the periodic table. 2. Verify the law of conservation of mass in a chemical reaction.

Practicals : To carry out the following chemical reactions

- (i) Iron with copper sulphate solution in water.
- (ii) Burning of magnesium in air.
- (iii) Zinc with dilute sulphuric acid
- (iv) Heating of lead nitrate
- (v) Sodium sulphate with barium chloride.

Home Assignment : Based on NCERT Questions.

FA-IV

Written test - Atoms & Molecules

**Syllabus of Class-IX
Session : 2012-2013**

Bengali

- Books — **1) Sájy aÚ@ü]R** (Latest Edition)– SásEýXUşy XQóá^æúá S_pP, @ü]@úáNýá
 2) S:-ñUá^@úá UáÚ]á Uóá@ü]M < [ýEýRá - àRXp] @áúXá[Páa, <â[ñZmý yá] Uá@ü í@úáxSááR
 3) #áX #Úááyly[íWÛýSá (1929)- ñáUWæyáNý Wæy_M UiímPóáSáQóáZ-âaBñRýly íS÷a

Term-1 April- September (FA-1+FA-2+SA-1)

FA-1	Sájy aÚ@ü]R	Uóá@ü]M	âRâX^y	#áX #Úááyly[íWÛýSá
April	(BPó) aáB[aşyñX RU@áúXá[	y÷[aál..ý	S¼ [ýEýRá Ú (Uóáá^yðBNý) #RáñFFýP Ú íNýáXá[áS-Z @úáU	1 < 2 RÚ #QóáZ
MAY	@úáUNýá Ú #áBXRã	Uá@úó Sá[UNBýR	íUáQ S[ææüM Ú (#OPáRáááñ[)	3 < 4 RÚ #QóáZ
June	BPó Ú #áá...ñPñU[^Yóá	Uá@úó Sá[UNBýR (#OPáRáááñ[)	#RáñFFýP Ú áR[æü]Nýá Pæ[á@ü]M	5 < 6 RÚ #QóáZ
FA-1 (SyllabuS) April-June		Full MARKS : 50		
1) [Uáú @úáUNýá #áUçá^y (Sájyó Sáy.y@ü UábWpæyNý)		10		
2) NýáÖæúáM@ü U^yçðNýá -yFýá¼ aXáñG[PááZNýşy < @üNýUó		10		
3) S÷@üq† – aáábNýó axöyáyly UáÿyXýEýy ýEýñmýáSáQóáñZ[açátËy aXæb		10		
4) ýEýyly – Wýá[NýáZ *Ø@úó (Wýá[NýNýáOp @úáUNýá #U]x÷ñR)		10		
5) í^÷Rã[@úáG < UáKòyã[@úáG		10		
July	(SPó) @úáñ@üNá[áR@üýly WÛýæ.èyPý (BPó) bá[èM aáñ]ñX[Xááa	aXáOp@ü ^oP	S¼ [ýEýRá, íUáQ S[ææüM #RáñFFýP Ú áU-áR #áWý^áS Rá #á^PáUáP	7 < 8 RÚ #QóáZ
FA-2 (SyllabuS)		Full MARKS : 20+30 = 50		
1) Sájy aÚ@ü]R		Sájy aÚ@ü]R (S.A) 10×1 = 10		
@ü] aáB[aÚBñX		Uóá@ü]M (MCQ) 10×1 = 10		
A) #áBXRã		#áX #Úááyly[íWÛýSá (S.A) 10×1 = 10		
2) Uóá@ü]M - y÷[aál..ý		Total 30		
3) #áX #Úááyly[íWÛýSá				
1,2,3 RÚ #QóáZ Total 20				
Aug.	(BPó) bá[èM aáñ]ñX[Xááa (SPó) Wýá[NýNýáOp	UáBQá[á	#RáñFFýP Ú GáNýáZ aÚbáNý, íNýáXá[íPáá *@úáyly íX]á	9 < 10 RÚ #QóáZ

Syllabus – Class IX

SEp	SâR[áUçâ°ý	SuMMAtive ASSESSMent-1		
terM-2 OctOber-MArch (FA3+FA4+SA2)				
Oct	(SP6) âýFyl...S¼	aXáa-NýÖSâ[ë_, U{Uoâab, âkçli	S¼ [ýEýRá, fUáQ S[ãpüM #RâifFýP Ú iñNýáXá[#áP^P XbáSâ[ë_	11 < 12 RÛ #QóáZ
NOv.	(SP6) \$rç[ýEýú âUPóááB[	UáÛ]á @çüÖ < Nýâk,ýNý S-NýóZü	S¼ [ýEýRá, (#âifUPR S¼) #RâifFýP Ú *@üáýlý ÆXifR[#âWý-Nýá	13 < 14 RÛ #QóáZ
DEc.	(BP6) Sq%eâaXáG (SP6) @üU[	*@ü @üOáZ S÷@üá^	#RâifFýP Ú S÷áNýóáb@ GâUifR âUPáóifNý[PáR	15 < 16 RÛ #QóáZ
FA 3 (SyllAbuS)			Full Marks : 50	
1) RG[ë] bÛjya]âifX[@üâUNýá #áUçâ°			10	
2) NýáÖçüâM@ü U^ýçòNýá-iiNýáXá[GâUifR[yŠ[MâZ CýlýRá			10	
3) S÷@üq†-GâURáRmP Pá^ < NÛýá[açâEý aXæb			10	
4) ýEýá]bý- UáÛ]á[â^q† < aÛýçýáNý			10	
5) í^÷Râ[@üáG < Bçb@üáG			10	
JaN.	(BP6) fRáRáG] (SP6) UáÛ]á[XáA #ááX iPáAZááýFý	Uâif@üó[#]üâk,,ý aÛif^áQR	#RâifFýP Ú G] < UáZâ Pæ_R, iñNýáXá[âS÷Z B:wj	17, 18,19 RÛ #QóáZ
FA-4 (SyllAbuS)				
1) SáJý aÛ@ü]R @ü) âýFyl...S¼		5	FuLL MarkS : 20+30	= 50
A) \$rç[ýEýú âUPóááB[		5	SáJý aÛ@ü]R (S.A) 10×1	= 10
2) Uóá@ü]M -aXáa,		5	Uóá@ü]M (McQ) 10×1	= 10
3) #áX #Üááýlý[iñWÛýSâ- 11,12RÛ #QóáZ		5	#áX #Üááýlý[iñWÛýSâ (S.A) 10×1	= 10
		total 50		total 50
FEB	SâR[áUçâ°ý	riviSiON		
March	SuMMAtive ASSESSMent-2			

examination Structure for Summative assessment
Subject- Bengali
Session : 2012-2013

Section	content	type	no. of Ques.	Marks
Section-a (reading)	3 unseen passage of 500 words each one grammar based question is must from each passage of one mark	McQ	03	3×5 = 15 total = 15
Section-b (Writing)	i) Letter ii) paragraph writing	L.a. L.a.	01 01	4+3 = 7 = 8 total = 15
Section-c	Grammar	McQ	04	4×5 = 20 total = 20
Section-D	i) prose a Explanation b Question ii) poetry a Explanation b Question iii) Supplementary reader	L.a. S.a. L.a. S.a. S.a.	01 02 01 02 02	1×5 = 15 2×5 = 10 1×5 = 15 2×5 = 10 2×5 = 10 total = 40

Section a : reading comprehension : 15 Marks
 Section b : Writing : 15 Marks
 Section c : Grammar : 20 Marks
 Section D : Literature : 40 Marks
 total : 90 Marks