

Subject : English

Class : IX

Prescribed Text Books—

- | | | |
|----------------------------|---|-----------|
| <i>Interact in English</i> | — <i>Literature Reader (L.T.)</i> | :C.B.S.E. |
| <i>Interact in English</i> | — <i>Main Course Book (M.C.B.)</i> | :C.B.S.E. |
| <i>Interact in English</i> | — <i>Work Book (W.B.)</i> | :C.B.S.E. |
| <i>Long Reading Text</i> | — <i>Three Men in a Boat.</i> | |
| <i>Hands on</i> | — <i>Project, Worksheet, F.C. and Assignment Work</i>
<i>Lab Activity(Listening / Reading / Speaking)</i> | |

1st SEMESTER

Unit - I April 6 to July 13 = 20 + 10 + 10 = 40

- | | |
|----------------------------|--|
| Literature Reader | - How I taught my Grandmother to Read, The Brook, The Road Not Taken |
| MCB | - People, Adventure |
| Writing Skills | - Diary Entry, Article, Story Writing |
| Work Book | - Verb forms, Determiners |
| Long Reading Text | - Three Men in a Boat (Chap 1 - 5) |
| W.T. Date | - 11.05.2015 |
| W.T. Syllabus | - Sec A- Comprehension
- Sec B - Diary Entry, Article
Integrated Grammar
- Sec C - How I taught my Grandmother to Read, The Brook. The Road Not Taken |
| Worksheet Syllabus- | Integrated grammar |
| Hands On | - Project, Worksheet,F.C.and Assignment work,
Lab Activity |

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

- | | |
|----------------------------|---|
| Literature Reader | - A Dog named Duke, The Solitary Reaper,Villa for Sale,Lord Ullin's Daughter |
| MCB | - Environment, Class IX Radio and Video Show |
| Writing Skills | - Diary Entry, Article, Story Writing |
| Work Book | - Future Time Reference, Modals |
| Long Reading Text | - Three Men in a Boat (Ch- 6-10) |
| W.T. Date | - 17.08.2015 |
| W.T. Syllabus | - Sec A - Comprehension
- Sec B - Diary Entry, Article, Story Writing
Integrated Grammar
- Sec C - Villa for Sale, The Solitary Reaper |
| Worksheet Syllabus- | Integrated grammar |
| Hands On | - Project, Worksheet,F.C.and Assignment work,
Lab Activity |
- Ist Semester Exam**

2nd SEMESTER

Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46

Literature Reader - The Man who knew too much, Keeping it from Harold, Oh I wish I'd looked after me Teeth, The Seven Ages.

MCB Mystery

Writing Skills Diary Entry, Article, Story Writing

Work Book Connectors, Passive Voice

Long Reading Text Three Men in a Boat (Ch.-11-15)

W.T. Date 30.11.2015

W.T. Syllabus Sec A - Comprehension
Sec B - Diary Entry, Article, Story Writing, Integrated Grammar
Sec C - The Man Who Knew Too Much, Keeping it from Harold, Oh I wish I'd looked after me Teeth

Worksheet Syllabus Integrated grammar

Hands On Project, Worksheet, F.C. and Assignment work, Lab Activity

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

Literature Reader - Best Seller, Song of the Rain, The Bishop's Candlesticks,

MCB Children, Sports and Games

Writing Skills Story Writing, Article, Diary Entry

Grammar Reported Speech, Prepositions

Long Reading Text Three Men in a Boat (Ch- 16-19)

W.T. Date 25.01.2016

W.T. Syllabus Sec A - Comprehension
Sec B - Diary Entry, Story Writing, Article, Integrated grammar
Sec C - Best Seller, Song of the Rain.

Worksheet Syllabus Integrated grammar

Hands On Project, Worksheet, F.C. and Assignment work, Lab Activity

2nd Semester Exam

Subject : Maths

Prescribed Text Book—

A Text book of Mathematics : N.C.E.R.T.

1st SEMESTER

Unit - I April 6 to July 13 = 20 + 10 + 10 = 40

1. Number system

2. Polynomials

3. Co-ordinate Geometry

1. Number System

Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals, on the number line through successive magnification. Rational numbers as recurring / terminating decimals.

Examples of nonrecurring / non terminating decimals such as $\sqrt{2}, \sqrt{3}, \sqrt{5}$. Existence of non-rational numbers (irrational numbers) such as $\sqrt{2}, \sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, every point on the number line represents a unique real number.

Existence of \sqrt{x} for a given positive real number x (visual proof to be emphasized). Definition of nth root of a real number. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws).

Rationalization (with precise meaning) of real numbers of the type (and their combinations) $\frac{1}{a+b\sqrt{x}}$ & $\frac{1}{\sqrt{x}+\sqrt{y}}$ where x and y are natural numbers and a, b are integers.

2. Polynomial

Definition of a polynomial in one variable, its coefficients, with examples and counter examples, its terms, zero polynomial. Degree of a polynomial. Constant, Linear, quadratic, cubic polynomials : monomials, binomials, trinomials, Factors and multiples. Zeros/roots of a polynomial / equation. State and motivate the Remainder Theorem with examples and analogy to integers. Statement and proof of the Factor Theorem with examples and analogy to integers. Factorization of ax^2+bx+c , $a \neq 0$ where a, b, c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. Further identities of the type $(x+y+z)^2=x^2+y^2+z^2+2xy+2yz+2zx$, $(x \pm y)^3=x^3 \pm y^3 \pm 3xy(x \pm y)$, $x^3+y^3+z^3-3xyz=(x+y+z)(x^2+y^2+z^2-xy-yz-zx)$ and their use in factorization of polynomials. Simple expressions reducible to these polynomials.

Co-ordinate Geometry

The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations, plotting points in the plane. graph ax+by+c=0 by writing it as $y=mx+c$ and linking with the chapter on linear equations in two variables.

Lab Activities

1. Square Root Spiral.

Class : IX

2. To factorise a polynomial of type x^2+bx+c by splitting the middle term using graph paper.

W.T. Date : 27-04-2015

W.T.Syllabus : Number System

Worksheet Syllabus : Same as Weekly Test

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

- Chp. 1. Introduction to Euclid's Geometry
2. Lines and Angles
3. Triangles
4. Heron's formula

Introduction to Euclid's Geometry

History— Euclid and geometry in India. Euclid's method of formalizing observed phenomenon into rigorous mathematics with definitions, common/obvious notions, axioms/postulates, and theorems. The five postulates of Euclid. Equivalent versions of the fifth postulate. Showing the relationship between axiom and theorem.

Given two distinct points, there exists one and only one line through them. (Prove)—Two distinct lines cannot have more than one point in common.

Lines and Angles

Motivate – If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. (ii) (Prove) If two lines intersect the vertically opposite angles are equal. (iii) (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines. (iv) (Motivate) Lines, which are parallel to a given line are parallel. (v) (Prove) The sum of the angles of a triangle is 180° . (vi) (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.

Triangles

Motivate – Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle –SAS Congruence. Prove— Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle— ASA Congruence. Motivate—Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle –SSS Congruence. Motivate— Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. Prove—The angles opposite to equal sides of a triangle are equal. Motivate—The sides opposite to equal angles of a triangle are equal. Motivate— Triangle inequalities and relation between 'angle and facing side' inequalities in triangles.

Heron's formula

Area of a triangle using Heron's formula (without proof) and its application in finding the area of a quadrilateral.

Lab Activities

1. To identify geometrically
a. Centroid b. orthocentre
c. in centre d. circumcentre
in different types of triangles

W.T.Date : 03.08.2015

W.T. Syllabus : Polynomials, Lines and Angles

Worksheet Syllabus : Same as Weekly Test

2nd Semester

Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46

- Chp. 1. Statistics and Probability
2. Quadrilaterals
3. Area of parallelograms and Triangles
4. Constructions

Statistics and Probability

Introduction to Statistics : Collection of data, presentation of data – tabular form, un-grouped/grouped, bar graphs, histograms (with varying base lengths), frequency polygons, qualitative analysis of data to choose the correct form of presentation for the collected data. Mean, median, mode of ungrouped data.

History, Repeated experiments and observed frequency approach to probability. Focus is on empirical probability. (A large amount of time to be devoted to group and to individual activities to motivate the concept: the experiments to be drawn from real – life situations, and from examples used in the chapter on statistics).

Quadrilaterals

Prove—The diagonal divides a parallelogram into two congruent triangles. Motivate – In a parallelogram opposite sides are equal, and conversely. Motivate – In a parallelogram opposite angles are equal and conversely. Motivate – A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal. Motivate – In a parallelogram the diagonals bisect each other and conversely. Motivate – In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and (motivate) its converse.

Area of Parallelograms and Triangle

Review concept of area, recall area of a rectangle. Prove – Parallelograms on the same base and between the same parallels have the same area.

Motivate – Triangles on the same base and between the same parallels are equal in area and its converse.

Constructions

Construction of bisectors of line segments & angles. 60° , 90° , 45° angles etc. equilateral triangles. Construction of a triangle given its base, sum / difference of the other two sides and one base angle. Construction of a triangle of given perimeter and base angles.

Lab Activities

1. To verify Mid Point Theorem
2. To obtain formula for the area of a parallelogram.
3. To verify the properties of a parallelogram

W.T.Date : 02.11.2015

W.T.Syllabus : Statistics and Probability, Quadrilaterals

Worksheet Syllabus : Same as weekly test

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

1. Circles
2. Mensuration
3. Linear equations in two variables

Circles

Through examples, arrive at definitions of circle related concepts. radius, circumference, diameter, chord, arc, subtended angle. Prove – Equal chords of a circle subtend equal angles at the center and (motivate) its converse. Motivate –The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. Motivate – There is one and only one circle passing through three given non-collinear points. Motivate – Equal chords of a circle (or of congruent circles) are equidistant from the center(s) and conversely. Prove– The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. Motivate – Angles in the same segment of a circle are equal. Motivate – If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. Motivate – The sum of the either pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.

Surface areas and Volumes

Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cylinders, cones.

Linear equations in two variables

Recall of linear equations in one variable. Introduction to the equation in two variables. Prove that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they seem to lie on a line. Examples, problems from real life, including problems on Ratio and Proportion and with algebraic and graphical solutions being done simultaneously.

Lab Activities

1. To verify Degree Measure Theorem
2. To make a right circular cylinder of given height and circumference of base.

Project - Find mean height and weight of the students of the class

W.T.Date : 28.12.2015

W.T.Syllabus : Areas of llgm and triangle, Construction

Worksheet Syllabus : Same as Weekly Test

2nd Semester Exam.....

Suggested Reading

Systematic Mathematics - S.Chand Publications
Mathematics for class IX - R.D.Sharma
Together with Mathematics class IX
Mathematics for class IX - R.S.Agarwal
Mathematics for class IX - R.L.Arora
Exemplar Problems Class IX- N.C.E.R.T

Subject : Physics

Class : IX

Prescribed Text Book—

Science — A Text book for class IX : N.C.E.R.T.

Unit - I April 6 to July 13 = $20 + 10 + 10 = 40$

Chapter : Motion

W.T. Date : 05. 05. 2015

W.T. Syllabus : Motion (till before circular motion)

Unit - II : July 14 to September 17 = $14 + 21 + 13 = 48$

Chapter : Force and laws of motion, Gravitation

- Practical : 1.To establish relationship between weight of a rectangular wooden block lying on a horizontal table and the minimum force required to just move it using a spring balance.

Inter Disciplinary Project

W.T. Date : 10. 08. 2015

W.T. Syllabus : Motion (remaining part), Force and laws of motion.

Worksheet Syllabus: Practical 1
1st Semester Exam

2nd SEMESTER

Unit - III September 30 to December 14 = $1 + 20 + 15 + 10 = 46$

Chapter : Floatation, Work and Energy

- Practical : 2.To determine the density of a solid (denser than water) by using a spring balance and a measuring cylinder.
3.To establish the relation between the loss in weight of solid when fully immersed in (i) tap water (ii) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
4.To observe and compare the pressure exerted by a solid iron cuboid on sand while resting on its three different faces and to calculate the pressure exerted in the three different cases.

W.T. Date : 23. 11. 2015

W.T. Syllabus : Floatation, Work and Energy

Worksheet Syllabus: Practicals 2, 3 and 4

Unit - IV

December 15 to March 4 = $10 + 14 + 21 + 14 = 49$

Chapter : Sound

- Practical : 5. To determine the velocity of a pulse propagated through a stretched slinky/string.
6. To verify laws of reflection of sound.

Inter Disciplinary Project

W.T.Date : 18. 01. 2016

W.T. Syllabus : Work and Energy(remaining part), Sound

Worksheet Syllabus: Practicals 5 and 6

2nd Semester Exam

Subject : Chemistry

Prescribed Text Book— Science — A text book - IX

Class : IX

— N.C.E.R.T.

1st Semester

Unit - I April 6 to July 13 = 20 + 10 + 10 = 40

L - 1 Matter in our surrounding (NCERT)

Practical 1: To determine the melting point of ice and boiling point of water .

Practical 2: To prepare a) mixture b) a compound, using iron filling and sulphur powder and distinguish between them.

W.T. Date: 05-05-2015

W.T. Syllabus: Matter in our surrounding

Worksheet Syllabus- Based on Practicals 1 and 2.

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

L - 2 Is matter around us pure (NCERT)

Practical 3: To study the different types of chemical reactions.

Practical 4: To separate the components of mixture of sand, common salt and ammonium chloride by sublimation.

Practical 5: To prepare true solution of common salt, colloidal solution and suspension and study their properties.

W.T. Date: 10-08-2015

W.T.Syllabus: Matter in our surrounding (Remaining).

Is matter around us pure ?

Worksheet Syllabus- Based on Practicals 3,4

1st Semester Exam

2nd SEMESTER:

Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46

L- 3 Atom and Molecule (NCERT)

Numericals on Mole concept, Empirical formula and Molecular formula.

W.T. Date: 23-11-2015

W.T Syllabus: Atom & Molecule

Hands on Project : To study different type of dyes (Natural and Synthetic dyes)

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

L- 4 Structure of Atom (NCERT)

L-19 Natural Resources

Practical 6 : To verify Law of Conservation of Mass.

W.T.Date: 18-01-2016

W.T Syllabus: Atom & Molecule (Remaining), Structure of Atom

Worksheet Syllabus- Based on Practical 6

2nd Semester Exam

Subject : Biology

Prescribed Text Book— Science NCERT for Class IX.

Class : IX

1st SEMESTER

Unit - I April 6 to July 13 = 20 + 10 + 10 = 40

The fundamental unit of life — Introduction to cell, unicellular and multicellular organisms, division of labour, structural organisation of a cell – plasma membrane, cell wall, nucleus, cytoplasm and various cell organelles.

Tissues : Plant tissues - (meristematic tissue and permanent tissues in plants)

Handson Activity- To study the techniques of dialysis in artificial kidney or to study and analyse the human Haemogram.

Practical – (a) To prepare stained temporary mount of onion peel, and to record observations and draw their labelled diagrams. (b) To prepare stained temporary mount of human cheek cells, and to record observations and draw their labelled diagrams. (c) To determine the percentage of mass of water imbibed by raisins.

W.T. Date : 05-05-2015

W.T. Syllabus : The fundamental unit of life - till cell wall.

Worksheet Syllabus : MCQ on Temporary stained Mount of onion peel and cheek cell.

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

Animal tissues : (epithelial tissue, connective tissue, Muscular tissue, Nervous tissue)

Improvement in food resources.

Improvement in crop yields, crop variety improvement, crop production management, crop protection management.

Animal Husbandry – Cattle farming, poultry farming, fish production, Bee keeping.

Practical :a) To identify different types of plant tissues (Parenchyma and sclerenchyma) and animal tissues (striped muscle fibres and nerves) from prepared slides and draw their labelled diagrams
b) To detect the presence of starch in the given sample.
c) To detect the presence of adulterant Metanil Yellow in Dal.

W.T. Date : 10-08-2015

W.T. Syllabus: Tissues - plant tissue and remaining chapter of cell.

Worksheet Syllabus : MCQ's on the practical-plant tissues (parenchyma and sclerenchyma) To study the percentage of mass of water absorbed by raisins.

1st Semester Examination.....

2nd SEMESTER

Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46

Diversity in living organisms : Classification, Hierarchy of classification, five kingdom system of whittaker, Plant kingdom classification, Animal kingdom classification, Nomenclature.

Practical : (a) To study the characteristics of spirogyra / Agaricus, Moss/fern, pinus (either with male or female cone) and an angiospermic plant. Draw and give two identifying features of groups they belong to.
(b) To study the external features of root, stem & leaf, flower of Monocot and dicot plant.

Mineral riches in the soil, Biogeochemical cycles in nature, Ozone hole
W.T. Date : 23-11-2015

W.T. Syllabus: Diversity in living organisms (till plant - kingdom)

Worksheet Syllabus : MCQ's on the practical conducted in Unit III.
Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

Why do we fall sick : Significance of health, Disease and its causes, Infectious diseases, principles of treatment and prevention, Immunisation.

Practical-(a)To observe and draw the given specimens and to study.

- *One specific feature of its phylum
- *One adaptive feature with reference to its habitat.
 - Earthworm
 - Cockroach
 - Bony fish
 - Bird

(b) To study life cycle of Mosquito.

W.T. Date : 18-01-2016

W.T.Syllabus: Animal Kingdom, Mineral riches in the soil, Biogeochemical cycles in nature, Ozone hole.

Worksheet Syllabus : MCQ's on the practical conducted in Unit IV.
2nd Semester Exam

Subject : History

Class : IX

Prescribed Text Books :

- India and the Contemporary World-I
- Managing Disaster
1st SEMESTER

Unit I April 6 to July 13 = 20 + 10 + 10 = 40

The French Revolution

French Society, Outbreak of the Revolution, French Abolishes Monarchy and becomes a republic, women in Revolution, Abolition of slavery, The Revolution and Everyday Life.

W.T. Date : 06-07-2015

W.T.Syllabus : The French Revolution(till pg 20)

Unit II July 14 to September 17 = 14 + 21 + 13 = 48
Nazism and the Rise of Hitler

Birth of the Weimar Republic, Hitler's Rise to power. The Nazi worldview, Youth in Nazi Germany, Ordinary people and the crimes against humanity.

Getting acquainted with Disaster Management-Becoming a Disaster Manager

W.T. Date : 24-08-2015

W.T.Syllabus : The French Revolution(till pg 21 to 24)
Nazism and the Rise of Hitler (Partly)

1st Semester Exam

2nd SEMESTER

Unit III September 30 to December 14 = 1 + 20 + 15 + 10 = 46

Forest Society and Colonialism

Deforestation, Rise of commercial forestry, forest Transformations in Java.

W.T. Date : 07.12.2015

W.T.Syllabus : Forest Society and Colonialism

Unit IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

History and Sport :The story of Cricket

The historical Development of Cricket as a game in England, The Spread of Cricket, The Modern Transformation of the game, Commerce, Media and Cricket Today.

W.T. Date : 01.02.2016

W.T.Syllabus : The story of Cricket (Partly)

Worksheet Syllabus- Same as Weekly Test Syllabus

Hands On : Inter disciplinary project

2nd Semester Exam

Subject : Political Science**Class : IX**

Prescribed Text Book— Democratic Politics - Part-I, NCERT

1st SEMESTER

Unit - I	April 6 to July 13 = 20 + 10 + 10 = 40
Chapter 1	: Democracy in the Contemporary World
Chapter 2	: What is Democracy? (Part I)
	Why Democracy?
W.T. Date	: 06-07-2015
W.T. Syllabus	: Democracy in the Contemporary World
Unit - II :	July 14 to September 17 = 14 + 21 + 13 = 48
Chapter 2	: What is Democracy? (Part II)
	Why Democracy?
Chapter 3	: Constitutional Design
W.T. Date	: 24-08-2015
W.T. Syllabus	: What is Democracy? Why Democracy?
Semester I Examination	

2nd SEMESTER

Unit - III	September 30 to December 14 = 1 + 20 + 15 + 10 = 46
Chapter 4	: Electoral Politics
Chapter 5	: Working of Institutions (Part I)
W.T. Date	: 07.12.2015
W.T.Syllabus	: Electoral Politics
Worksheet Syllabus:	Same as Weekly Test Syllabus
Hands On	: Election of a class monitor.
Unit - IV	December 15 to March 4 = 20 + 14 + 21 +1 = 56
Chapter 5	: Working of Institutions (Part II)
Chapter 6	: Democratic Rights
W.T. Date	: 01.02.2016
W.T. Syllabus	: Working of Institutions (Part I)

2nd Semester Exam**Subject : Geography****Class : IX**

Text Book : Contemporary India - Part I, NCERT

1st SEMESTER

Unit - I	April 6 to July 13 = 20 + 10 + 10 = 40
Chapter 1	: India-Size and Location
Chapter 2	: Physical features of India
W.T Date	: 06-07-2015
W.T Syllabus	: Chapter 1 :India-Size and Location Chapter 2 :Physical features of India-till Himalayas

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

Chapter 3	: Drainage
Disaster Management –	
Chapter 2	: Common Hazards
W.T Date	: 24-08-2015
W.T Syllabus	: Chapter 2 : Northern Plains onwards
Worksheet Syllabus	: Same as Weekly Test Syllabus
Hands On	: Inter disciplinary project
Syllabus	: Semester I- Chapter 1,2 & 3

2nd SEMESTER

Unit - III	September 30 to December 14 = 1 + 20 + 15 + 10 = 46
Chapter 4	: Climate
Chapter 5	: Natural Vegetation and Wildlife
W.T.Date	: 07.12.2015
W.T.Syllabus	: Chapter 4–Climate – including Indian Monsoon
Hands On	: Project on longitude and time
Unit - IV	December 15 to March 4 = 10 + 14 + 21 + 4 = 49
Chapter 6	: Population
Disaster Management –	
Chapter 4	: Community based Disaster Management
W.T. Date	: 01.02.2016
W.T. Syllabus	: Chapter 5 : Natural Vegetation and Wildlife
Syllabus	: Semester II- Chapter 4, 5 , 6

2nd Semester Exam

Subject : Economics*Prescribed Text Book— Economics - NCERT***Class : IX****1st Semester****Unit I April 6 to July 13 = 20 + 10 + 10 = 40****The Story of Village Palampur**

- Introduction
- Factors of Production
- Farming in Palampur
- Non-farming activities in Palampur

W.T.Date : 06-07-2015**W.T. Syllabus : Introduction, Factors of Production, Farming in Palampur****Worksheet Syllabus : Same as Weekly Test Syllabus****Hands On : Project****Unit II July 14 to September 17 = 14 + 21 + 13 = 48****People as Resource**

- Introduction
- Economic & Non Economic Activities
- Sources of Human Capital formation - Education and Health
- Unemployment

W.T.Date : 24-08 - 2015**W.T. Syllabus : Introduction, Economic & Non Economic Activities, Sources of Human Capital formation****Semester I Examination****2nd SEMESTER****Unit III September 30 to December 14 = 1 + 20 + 15 + 10 = 46****Poverty As A Challenge**

- Introduction
- Measurement of Poverty Line
- Poverty estimates
- Global Poverty Scenario
- Causes of Poverty
- Government Measures

W.T.Date : 07-12-2015**W.T. Syllabus : Introduction, Measurement of Poverty Line, Poverty estimates, Vulnerable groups.****Unit IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49****Food Security in India**

- What is food security ?
- Who are food insecure ?
- Food security in India.
- Steps taken by Government for food security
- Current status and drawbacks of Public Distribution System
- Role of Cooperatives

W.T.Date : 01-02-2016**W.T. Syllabus : What is food security ?, Who are food insecure? Food security in India. What is Buffer Stock ? What is the Public Distribution System?****2nd Semester Exam****Subject : Computer Science****Class : IX****Unit - I April 6 to July 13 = 20 + 10 + 10 = 40****Topic : Computer System**

Introduction, What is computer? Basic functioning of a computer, Characteristics, limitation and components of a computer, Units of memory.

Topic : More on MS Word

Formatting in Word 2007, Character and Paragraph formatting

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48**Topic :More on MS Powerpoint**

Introduction, Understanding Powerpoint, Creating a presentation, Applying themes. Animation, Running a presentation.

1st Semester Exam**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46****Topic : More on MS - Excel**

Introduction, Understanding the components of MS Excel, Entering and saving data, Working with a worksheet, Formating in Excel.

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49**Topic : Communication Technology**

Computer Network, Advantages of Computer Network, MAN, WAN, PAN, LAN, Internet, Content Technology.

Topic: More on MS Excel

Formulas and Functions in MS Excel, Charts Practical examples.

2nd Semester Exam

विषय : हिन्दी

निर्धारित पुस्तकों— स्पर्श

संचयन - पूरक-पुस्तिका

व्याकरण - व्याकरण अयन

प्रथम सत्र

इकाई 1 अप्रैल 6 से जुलाई 13 ($20+10+10=40$) कार्य दिवस।

स्पर्श रैदास के पद, धूल

संचयन गिर्लू

व्याकरण वर्ण विच्छेद, अनुस्वार, अनुनासिक, नुक्ता, मुहावरे, सन्धि, विज्ञापन लेखन, चित्र वर्णन

पत्र लेखन अनौपचारिक पत्र

श्वरण कौशल

मौखिक अभिव्यक्ति रैदास के एक पद का सत्स्वर वाचन साप्ताहिक परीक्षा तिथि - 20.04.2015

साप्ताहिक परीक्षा पाठ्यक्रम

अभ्यास प्रपत्र अनुस्वार, अनुनासिक, नुक्ता

स्पर्श रैदास के पद

दुख का अधिकार

व्याकरण पत्र लेखन, अपठित गद्यांश।

इकाई 2 जुलाई 14 से सितम्बर 17 ($14+21+13=48$) कार्य दिवस।

स्पर्श रहीम के दोहे, आदमी नामा, एवरेस्ट मेरी शिखर-यात्रा, दुख का अधिकार, तुम कब आजोगे, अतिथि

संचयन स्मृति, कल्लू कुम्हार की उन्नाकोटि

व्याकरण उपसर्ग, प्रत्यय (शब्द निर्माण), सन्धि, विराम चिह्न, अनुच्छेद, अपठित गद्यांश व पद्यांश, चित्र वर्णन, संचाद लेखन।

परियोजना कार्य

मौखिक अभिव्यक्ति मन के हारे हार, मन के जीते जीत - भाषण साप्ताहिक परीक्षा तिथि - 27.07.2015

साप्ताहिक परीक्षा पाठ्यक्रम

अभ्यास प्रपत्र संधि

स्पर्श रहीम के दोहे, एवरेस्ट मेरी शिखर यात्रा।

व्याकरण चित्र वर्णन, संचाद लेखन।

प्रथम सत्रीय पुनरावृति एवं परीक्षा

सम्पूर्ण पाठ्यक्रम

द्वितीय सत्र

कक्षा : IX

इकाई 3

सितम्बर 30 से दिसम्बर 14 ($1+20+15+10=46$) कार्य दिवस।

स्पर्श कीचड़ का काव्य, वैज्ञानिक चेतना के वाहक : चंद्रशेखर वैंकट रमन,

गीत-आगीत, एक फूल की चाह

संचयन मेरा छोटा सा निजी पुस्तकालय

व्याकरण उपसर्ग- प्रत्यय, सन्धि, विराम चिन्ह, चित्र वर्णन, संचाद लेखन।

पत्र लेखन अनौपचारिक पत्र

अपठित गद्यांश एवं पद्यांश

मौखिक अभिव्यक्ति कहानी लेखन एवं प्रस्तुति

श्रवण कौशल

साप्ताहिक परीक्षा तिथि - 26.10.2015

साप्ताहिक परीक्षा पाठ्यक्रम

अभ्यास प्रपत्र विराम चिन्ह, चित्र लेखन

स्पर्श एक फूल की चाह, वैज्ञानिक चेतना के वाहक, चंद्रशेखर वैंकट रमन

व्याकरण अपठित पद्यांश, अपठित गद्यांश, पत्र लेखन

इकाई 4

दिसम्बर 15 से मार्च 4 ($10+14+21+4=49$) कार्य दिवस।

स्पर्श शुक्रतारे के समान, धर्म की आड़, खुशबू रचते हैं हाथ, नए इलाके में, अग्नि पथ

संचयन हामिद खाँ, दिये जल उठे

व्याकरण विज्ञापन लेखन, अनुच्छेद लेखन

अनुच्छेद कहावतों एवं सुक्रितियों पर आधारित विषय, संचाद लेखन।

मौखिक अभिव्यक्ति कविता - प्रस्तुति

परियोजना कार्य दांडी मार्च

साप्ताहिक परीक्षा तिथि - 21.12.2015

साप्ताहिक परीक्षा पाठ्यक्रम

अभ्यास प्रपत्र वाक्यों के अंग, सरल वाक्य मुहावरे

स्पर्श शुक्रतारे के समान, नए इलाके में, खुशबू रचते हैं हाथ

व्याकरण अनुच्छेद लेखन, अपठित गद्यांश/पैद्यांश, विज्ञापन लेखन।

द्वितीय सत्रीय पुनरावृति एवं परीक्षा

विषय : संस्कृत

निधारित पुस्तक-

संस्कृत भारती – मणिका, भाग – 1
मणिका, भाग – 1 अभ्यास पुस्तिका
(केन्द्रीय माध्यमिक शिक्षा बोर्ड)

प्रथम सत्र

इकाई 1 अप्रैल 6 से जुलाई 13 ($17+11+09=37$) कार्य दिवस।
पाठ 1 - 3 : तत् त्वम् असि, अविवेकः परमापदांपदं, पाथेयम्
पठित गद्यांशः, पद्यांशः, नाट्यांशः, भावबोधनम्, अन्वय, प्रश्ने निर्माण, कथाक्रम शब्दार्थः।
संस्कृत मणिका अभ्यास पुस्तिका – भाग – 1
उच्चारण स्थान, वर्ण विन्यास, प्रत्यय – कृत्वा, ल्प्य, तुमुन्, स्वर सन्धि – दीर्घ, गुण, वृद्धि, यण।
शब्दरूप पृ० – अकारान्ताः (बालकवत्) इकारान्ताः (कविवत्)
स्त्री० – आकारान्ताः (रमावत्) इकारान्ताः (मतिवत्)
नपू० – अकारान्ताः (फलवत्)
सर्वनाम शब्दाः – यद्, तद्, किम्, इदम्।
धातुरूपाणि – लट्, लृट्, लङ् लकारेषु
परस्मैपदिनः – भू (भव), पठ्, हस्, नम्, गम्, अस्, हन्, क्रुध्, नश् नृत्।
आत्मनेपदिनः – सेव्, लभ्।
अभ्यापदिनः – नी, हृ
उपपदविभक्तीनां प्रयोगः:
द्वितीया – अभितः, परितः, उभयतः।
तृतीया – सह, किम्
चतुर्थी – नमः, स्वाहा, सामर्थ्ये
पाठ्यसहगामी क्रिया – अर्थसहितम् द्वयोः श्लोकयोः उच्चारणाम्
मौखिक परीक्षा – लघु-रोपोपचारा:
साप्ताहिक परीक्षा पाठ्यक्रम – पाठ 2, प्रव्यय-कृत्वा, ल्प्य, तुमन, सन्धि-दीर्घ, गुण, शब्द – बालक, रमा, फल, धातु – भू, पठ्, सेव, द्वि० – अभितः, परितः, उभयतः, तु० – सह, किम्
कार्यप्रपत्र – साप्ताहिक परीक्षा की सम्पूर्ण व्याकरण।
साप्ताहिक परीक्षा – 20-04-2015
इकाई 2 जुलाई 14 से सितम्बर 17 ($13+19+14=46$) कार्य दिवस।
पाठ 4 - 6 : स्वस्थृतम्, भ्रातुस्नेहस्तु दुर्लभं, विद्यया भाति सदगुणाः पठित गद्यांश, पद्यांश, नाट्यांशः, भावबोधनम्, अन्वय, प्रश्ने निर्माण, कथाक्रम शब्दार्थः।
संस्कृत मणिका अभ्यास पुस्तिका – भाग – 1
व्यंजन सन्धि
विसर्ग सन्धि
शब्दरूप पृ० – अकारान्ताः (साधुवत्) ऋकारान्ताः (पितृवत्)
स्त्री० – इकारान्ताः (नदीवत्) ऋकारान्ताः (मातृवत्)
नपू० – उकारान्ताः (मध्यवत्)
सर्वनाम शब्दाः – अस्मद्, युष्मद्
धातुरूपाणि – लट्, लृट्, लङ् लकारेषु
परस्मैपदिनः – नृत्, आप्, शक्, इष्, प्रच्छ्, कृ, ज्ञा, भक्ष, चिन्त्
आत्मनेपदिनः – रुच्, मुद्, याच्।
अभ्यापदिनः – भज्, पच्
उपपदविभक्तीनां प्रयोगः:
पंचमी – बहिः, विना, भी, पूर्वम्

कक्षा : IX

षष्ठी – पुरतः, पृष्ठतः, तरप्, तमप्, अधः, आप्, नृत्, शक्, कृ, इष्, याच्
सप्तमी – कृशलः, निपुणः, प्रवीणः
पाठ्यसहगामी क्रिया – ग्रीष्मावकाश कार्यम्
मौखिक परीक्षा – कथायाः मंचनम्
साप्ताहिक परीक्षा पाठ्यक्रम – पाठ 4-5, इकाई 2 शब्द रूप-साधु, पितृ, नदी कार्यप्रपत्र – साप्ताहिक पाठ्यक्रम, इकाई 2 की सम्पूर्ण व्याकरण। व्यंजन सन्धि, अस्मद्, युष्मद्, उपपद विभक्तियाँ
साप्ताहिक परीक्षा :

प्रथम सत्रीय परीक्षा – 27-07-2015
द्वितीय सत्र

इकाई 30 सितम्बर से दिसम्बर 14 ($17+18+13=48$) कार्य दिवस।
पाठ 7, 8, 9, 10 – तरवे नमोऽस्तु, कर्मण याति संसिद्धिम्, विजयताम्, स्वदेशः, कोऽहं वदतु ऐत्रम्
अभ्यासपुस्तकम् – पाठ-पञ्चवदश, अष्टावदश।
व्याकरण प्रत्यय – वत्, वत्वत्
कारक – षष्ठी व सप्तमी विभक्ति
शब्दरूप – राजन्, भवत्, आप्नन्, एक, द्वि
धातुरूप – मुद्, याच् (आत्मनेपद), नृत्, आप्, शक् (परस्मैपद), केवल (लोट, विधिलिङ्ग)
अपठित गद्याश, पत्र, चित्र
उपपदविभक्तीनां प्रयोगः:
द्वितीय – समया, निकाश, प्रति, धिक्, विना।
तृतीया – विना, अलम्, हीनः, प्रयोजनम्।
चतुर्थी – अलम् (सामर्थ्ये)।
पाठ्यसहगामी क्रिया – ‘वृक्षाणाम् महत्त्वं’ इति विषये चार्ट / कॉलाज
मौखिक परीक्षा – दृश्य-श्रवण परीक्षा। (व्याकरण)
साप्ताहिक परीक्षा पाठ्यक्रम – पाठ 7, 8, इकाई 3 की सम्पूर्ण व्याकरण
कार्यप्रपत्र – इकाई 3 की सम्पूर्ण व्याकरण।
साप्ताहिक परीक्षा – 26.10.2015

इकाई-4 दिसम्बर 15 से मार्च 4 ($6+19+20+5=50$) कार्य दिवस।
पाठ 11, 12, 13, 14
अभ्यासपुस्तकम् – पाठ- एकादश, द्वादश, त्रयोदश, पञ्चवदश, नवदश।
व्याकरण कारक – द्वितीया से सप्तमी विठ०
प्रत्यय – शत्, शनच्
शब्दरूप – विद्वस्, गच्छत्, एक, त्रि, चतुर्, पञ्चन
धातुरूप – नी, हृ, भज्, पच्, (उभयपदिनः), ज्ञा (परस्मैपद), (केवल – लोट, विधिलिङ्ग)
अपठित गद्याश, पत्र, चित्र
उपपदविभक्तीनां प्रयोगः:
पंचमी – आरभ, प्र-मद्, पर, अनन्तरम्।
षष्ठी – निर्धरणै, वामतः, दक्षिणतः, अनादरे।
सप्तमी – स्त्रिह, विश्वस, अनु – रज् भावे।
पाठ्यसहगामी क्रिया – शब्द-रूप
मौखिक परीक्षा – अस्माकं जीवने संस्कृतस्य महत्त्वम् अथवा भारतीय संस्कृतिः (कक्षा पंत्रिका)
साप्ताहिक परीक्षा पाठ्यक्रम – पाठ 11, 12, इकाई 4 की सम्पूर्ण व्याकरण
कार्यप्रपत्र – इकाई 4 की सम्पूर्ण व्याकरण।
साप्ताहिक परीक्षा – 21.12.2015
द्वितीय सत्रीय परीक्षा –

Subject : French*Prescribed Text Book — Entre Jeunes – I (N.C.E.R.T.)***1st SEMESTER****Unit - I April 6 to July 13 = 20 + 10 + 10 = 40**

Leçon : 0, 1, 2

Grammaire : Verb-er, les articles définis, indéfinis, Adjectifs possessifs, démonstratif, préposition.

Activité : Faites une fiche de votre école/Faites le dépliant de votre pays

W.T. Date : 21.04.2014

W.T. Syllabus : 0, 1

Worksheet Syllabus: 0,1

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

Leçon : 3, 4, 5, 6

Grammaire : Verb pronominaux passé composé, Impératif, conditionnel

Activité : Presenter votre ami / une recette

W.T. Date : 21.07.2014

W.T. Syllabus: 2, 3, 4

Worksheet Syllabus: 2, 3, 4

Ist Semester examination :

2nd SEMESTER**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46**

Leçon : 7, 8, 9

Grammaire : Préposition de lieu, Carte postale. Posez la question, object Direct/Indirect

Activité : les vacances carte postale Moyen de transport.

W.T. Date : 03.11.2014

W.T. Syllabus : 5,6,7

Worksheet Syllabus: 5,6,7

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

Leçon : 10, 11, 12

Grammaire : Pronoms Personnels, Adj Interrogatifs, Pnom Interrogatifs, comparatifs, superlatifs, conditionnel avec si.

Activité : Parlez de vos sports favoris

W.T. Date : 08.12.2014

W.T. Syllabus: 8,9,10

Worksheet Syllabus: 8,9,10

2nd Semester Examination.

Class : IX**Subject : Dance****Class : IX****1st Semester****Unit - I April 6 to July 13 = 20 + 10 + 10 = 40**

1. Origin of dance. A historical glimpse through the ancient text of "Natyaashastra." + Abhinaya Darpan

2. Teen Taal: Kathak dance technique Pure dance 1 - footwork, uthaan, thaat, aamad, paran.

3. Invocation i.) Chants of India ii.) Durgashtakam

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

1. Contemporary dance technique - Elementary + level 1

i. Indian Contemporary technique - Song choreography

ii. Ballet (Russian) - Swan lake of Bolshoi Theatre.

2nd Semester**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46**

1. Contemporary dance technique - level 2 , 3 ,4

2. Choreography - 1) Indian - 2

- 2) Western - 2

3. Theory on Contemporary dance (Elementary level)

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

1. Jazz technique - Elementary + level 1

- Choreography in lyrical Jazz

2. Ballet (Western) dance technique - Elementary level

Subject: Physical Education and Sports**Class: IX****Subject : Art****Class : IX****1st SEMESTER****Unit - I April 6 to July 13 = 20 + 10 + 10 = 40****Basketball:-**

General rules- Start with jump ball, number of time outs in each qtr, number of substitutions, ball(no) used ,Skill – Three men passing. State awardees.

Fitness :-Agility, Shuttle run

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48**Cricket:-**

General rules- Start with toss, number of over's in a match, ways a batsman can be declared out.

Skill – Bowling (grip, run up, delivery stride, follow through).

State awardees,Fitness :- Speed 100 mts

2nd SEMESTER**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46****Athletics:-**

General rules-

Jumps (three jumps given,best 8 get 3 additional jumps, jump not counted if take off line is crossed while jumping)

Skill – Long jump (landing).

State awardees.

Fitness :- Explosive strength,Long jump

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49**Football:-**

General rules-

Pushing with hands is foul, play to be stopped if whistle blown, feet to be grounded while throw in.

1 Skill – Heading.

State awardees.

Fitness :- Endurance, 800 mts.

Note : First two weeks theory, third & fourth week skills, fifth & sixth week competition and seventh & eighth week evalutuion.

1st Semester**Unit - I April 6 to July 13 = 20 + 10 + 10 = 40**

1. "Mural" on paper
2. Human figure in action
3. Design a Metro Train
4. Composition

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

1. Greeting Card
2. Outdoor sketches with pencil / colour

2nd Semester**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46**

1. Compositions
 - i. Still life composition
 - ii. Poster making (Patriotism)

Unit - IV December 15 to M arch 4 = 10 + 14 + 21 + 4 = 49

1. Composition with human figures

Subject : Tabla

Class : IX Subject : Western Music

Class : IX

1st Semester

Unit - I April 6 to July 13 = $20 + 10 + 10 = 40$

1. Teentaal, lesson - 1 Aadi lay, Farmaishi Chakardar Paran, Tukda
2. Few taals :- Khemta, Pashto, Jhaptaal, Teentaal, Tabla Uttpatti, Taal Leapi Bad, Taali
3. Jeevani :- Pt. Samta Prasad Ji

Unit - II : July 14 to September 17 = $14 + 21 + 13 = 48$

1. Teentaal, lesson - 2, Mukda, Rela, Paran, Bedeu, Damdar Tihai
2. Few taals :- Dhumali, Jhumra, Ek taal, Neelkanth, Definition - Taal, Laye, Matara, Taali, Theka, Taal Leepi Bad
3. Jeevani :- Pt. Anokhe Lal Ji

2nd Semester

Unit - III September 30 to December 14 = $1 + 20 + 15 + 10 = 46$

1. Lesson - 3, Jhaptaal, Aadi lay, Mohra, Tihai, Tunning
2. Taals :- Deep Chandi, Addha, Udaybaan, Jatt taal, History of Gharana - Delhi Ajrada, Purab, Punjab
3. Jeevani - Pt. Biru Mishra Ji,

Unit - IV December 15 to March 4 = $10 + 14 + 21 + 4 = 49$

1. Ek taal, lesson - 4 in Ek taal, Paran, Tukda
2. Jeevani - Pt. Biru Mishra Ji
3. Taal :- Qwali, Brahmtaal, Matt, Dhamar
4. Teentaal, Kehrwa, Dadra types
5. Solo performance - 5 min

1st Semester

Junit - I April 6 to July 13 = $20 + 10 + 10 = 40$

1. Introduction of Musical notes and scale
2. Guitar = introduction of chord structure
3. Drums = basic rhythm pattern

Unit - II : July 14 to September 17 = $14 + 21 + 13 = 48$

1. Musical notes and scale
2. Guitar = scales and arpeggio
3. Drums = Rhythm pattern (2/4, 7/7 beats)
4. Choir (safe song for the nature)

2nd Semester

Unit - III September 30 to December 14 = $1 + 20 + 15 + 10 = 46$

1. Scale and Notes exercise
2. Guitar = Chord structure
3. Drums = Rhythm pattern (beats of 4/4, 3/4, 6/8)
4. Choir (we are one song of unity)

Unit - IV December 15 to March 4 = $10 + 14 + 21 + 4 = 49$

1. Scales and arpeggio exercise.
2. Guitar = Chord progression (mixed)
3. Drums = Rhythm pattern (Chord progression)
4. Choir and christmas songs.

Subject : Music**Class : IX****1st Semester****Unit - I April 6 to July 13 = 20 + 10 + 10 = 40**

1. पं० विष्णु नारायण भातखण्डे जी का जीवन परिचय भातखण्डे स्वरुलिपि पद्धति
2. परिभाषाएँ - संगीत, सप्तक, राग, आरोह-अवरोह, अलंकार, वादी-संचादी, स्थायी, अंतरा, सम, ताली, खाली।
3. राग यमन का परिचय - छोटा छ्याल, 4 आलाप, 4 ताल
4. भजन

Unit - II : July 14 to September 17 = 14 + 21 + 13 = 48

1. देशभक्ति गीत
2. प्रेरणास्पद गीत
3. तालबद्ध अलंकारों का गायन, वादन
4. सूफी गीत
5. कृष्ण भजन

2nd Semester**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46**

1. राम भजन
2. शबद
3. वैष्णव जन तो
4. दीपावली गीत
5. ताल झपताल

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

1. Christmas Carol
2. Motivational Song
3. Recognition of different Taals
4. अलंकार तथा सरगम अभ्यास
5. अलंकार सूजन

Subject : Lifeskills**Class : IX**

Methodology : Brain storming, Group discussions, Group Activity

1st Semester**Unit - I April 6 to July 13 = 20 + 10 + 10 = 40**

Orientation

Unit - II July 14 to September 17 = 14 + 21 + 13 = 48

Exploring Life Skills

2nd Semester**Unit - III September 30 to December 14 = 1 + 20 + 15 + 10 = 46**

Internalising Life Skills

Unit - IV December 15 to March 4 = 10 + 14 + 21 + 4 = 49

Assessment