

ENGLISH COMMUNICATIVE COURSE

SYLLABUS BREAK UP: 2017 - 18

CLASS IX

OBJECTIVES:

- The overall aim of teaching English Communicative are:
 - a) to enable the learner to communicate effectively and appropriately in real life situations.
 - b) to use English effectively for study purposes across the curriculum.
 - c) To develop and integrate the use of four language skills i.e- listening, speaking, reading and writing.
 - d) to develop interest in appreciation of literature.
 - e) to revise and reinforce structures already learnt.
 - f) to express ideas in clear and grammatically correct English, using appropriate punctuation and cohesion devices.
 - g) to enable the students to understand, interpret, evaluate and respond to the following features in a literary text:
 - i. Character as revealed through appearance, background, actions, expressions, etc.
 - ii. Plot/ story/ theme, emerging through main events. iii. Setting, as seen through time and place.
 - iv. Form.
 - h) to include a novel/ long reading text to encourage class room interaction, class discussion, etc.

OBJECTIVES OF ASSESSMENT FOR LISTENING SKILL

To enable learners to :

- a) understand a range of genres and contexts of spoken English including academic, personal and social aspect.
- b) understand detailed information for a purpose.
- c) understand and interpret a range of features of the given context.
- d) understand the topic and the main points and also to distinguish the main points from the details.

OBJECTIVES OF ASSESSMENT FOR SPEAKING SKILL.

To enable the learners to :

- a) express and respond to personal feelings and opinions.
- b) present oral reports, narrate incidents or events.
- c) present, adopt different strategies to convey ideas according to purpose, topic and audience, and to frame questions so as to elicit desired response.
- d) take part in group discussions, elicit views of others, express and argue a point of view clearly.
- e) participate in spontaneous spoken course. **TEXT BOOKS**

- 1) Interact in English – Literature Reader – A text book for English Course (Communicative)

- 2) Interact in English – Workbook - – A text book for English Course
(Communicative)
- 3) Interact in English – Main Course Book - – A text book for English Course (Communicative)
- 4) Three Men in a Boat – Jerome K. Jerome

REFERENCE BOOKS :

- 1 Brajinder Book Company (BBC)
- 2 Oxford Communicative(Oxford University Press)

MONTH WISE SYLLABUS BREAK-UP

APRIL:(21)

- How I Taught my Grandmother to Read (Prose)
- The Brook (Poem)
- People(MCB)
- Verb Forms (Grammar)
- Novel: Chapters 1-3
- ASL – Listening Skills

MAY:(10)

- The Road Not Taken (Poem)
- Determiners(Grammar) □ Novel :Chapters 4 – 5

JULY:(23)

- A Dog Named Duke(Prose)
- The Solitary Reaper (Poem)
- Adventure (MCB)
- Future Time Reference (Grammar)
- ASL : Speaking Skill
- Novel :Chapters – 6 &7

AUGUST:(24)

- Lord Ullin’s Daughter (Poem)
- Villa For Sale(Play)
- Environment (MCB)
- Modals (Grammar)
- Novel : Chapters 8 -10 **SEPTEMBER:(12)**
- Connectors (Grammar)
Revision for MID TERM

OCTOBER:(18)

- The Man Who Knew Too Much(Prose)
- Keeping it from Harold(Prose)
- Voice (Grammar)

- Novel: Chapters 11 – 12.

NOVEMBER: (23)

- The Seven Ages (Poem)
- Oh ! I Wish I'd Looked After Me Teeth (Poem)
- Mystery (MCB)
- Reported Speech (Grammar) □ Novel :Chapters 13-14

DECEMBER: (22)

- Bestseller (Prose)
- Song of the Rain (Poem)
- Children (MCB)
- Prepositions (Grammar)
- ASL – Speaking Skill
- Novel: Chapters 15– 17 **JANUARY: (14)**
- The Bishop's Candlesticks (Play)
- ASL (Listening Skills)
- Sports and Games (MCB)

FEBRUARY: (22)

- Novel :Chapters 18 &19

MARCH: (6) Revision for Annual Examinations

ENGLISH COMMUNICATIVE COURSE EXAM WISE SYLLABUS BREAK- UP CLASS IX 2017 - 18 FIRST

PERIODIC TEST

- How I Taught My Grandmother to Read
- The Brook
- People (MCB)
- Verb Forms NOTE:
- All the writing skills covered in the mentioned MCB chapter(s) are part of the syllabus. □ Grammar will be tested in an integrated manner

MID TERM EXAMINATIONS

- How I Taught My Grandmother to Read
- The Brook
- A Dog Named Duke
- Villa For Sale
- The Solitary Reaper
- The Road Not Taken □ Lord Ullin's Daughter
- Novel Chapters-1-10 (Part -1)
- MCB : People , Adventure & Environment

- WRITING SKILL : Data Interpretation, Newspaper Report , Paragraph , Debate ,Story Writing , Dialogue Writing , Informal and Formal Letters , E-mail ,Diary Entry , Article ,Speech, Bio-Sketch ,Notice &Message

NOTE:

- The entire syllabus of First Monday Test will be included in Mid Term Examinations.
- All the writing skills covered in the mentioned MCB chapters are part of the syllabus.
- Grammar & its usage is not to be tested discreetly but in an integrated manner. **SECOND PERIODIC TEST**
- The Man Who Knew Too Much
- Keeping it from Harold
- Voice
- MCB : Environment & Mystery NOTE:
- All the writing skills covered in the mentioned MCB chapters are part of the syllabus.
- Grammar will be tested in an integrated manner.

ANNUAL EXAMINATIONS

100 % Syllabus NOTE:

- Grammar & its usage is not to be tested discreetly but in an integrated manner.
- All the writing skills covered in MCB chapters are part of the syllabus.

कक्षा - नवमीं
विषय - हिन्दी

पाठ्यपुस्तक - स्पर्श भाग 1 - NCERT

संचयन भाग 1 - NCERT

व्याकरण परिचय (कोर्स बी) - Full Marks Pvt. Ltd.

अभ्यास हेतु अतिरिक्त पुस्तकें -

1. U-Like - मॉडल टैस्ट पेपर्स (अभ्यास कार्य प्रपत्र)

शिक्षण उद्देश्य -

- दैनिक जीवन में हिंदी में समझने-बोलने के साथ-साथ लिखने की क्षमता का विकास करना।
- हिंदी के किशोर साहित्य, अखबार व पत्रिकाओं को पढ़कर समझ पाना और उसका आनंद उठाने की क्षमता का विकास करना।
- औपचारिक विषयों और संदर्भों में बातचीत में भाग ले पाने की क्षमता का विकास करना।
- हिंदी के ज़रिए अपने अनुभव संसार को लिखकर सहज अभिव्यक्ति कर पाने में सक्षम बनाना।
- संचार के विभिन्न माध्यमों (प्रिंट और इलेक्ट्रॉनिक) में प्रयुक्त हिंदी के विभिन्न रूपों को समझने की योग्यता का विकास करना।
- कक्षा में बहुभाषिक, बहुसांस्कृतिक संदर्भों के प्रति संवेदनशील सकारात्मक सोच बनाना। □ अपनी मातृभाषा और परिवेशगत भाषा को साथ रखकर हिंदी की संरचनाओं की समझ बनाना।

महीना	पाठ्य पुस्तक	व्याकरण
अप्रैल	स्पर्श- गद्य	धूल
	स्पर्श - पद्य	रैदास के पद अब कैसे छूटै राम, नाम ...
		ऐसी लाल तुझ बिनु

	संचयन	गिल्लू	
मई	स्पर्श - गद्य	दुःख का अधिकार	संधि, चित्र वर्णन, संवाद लेखन, विज्ञापन लेखन

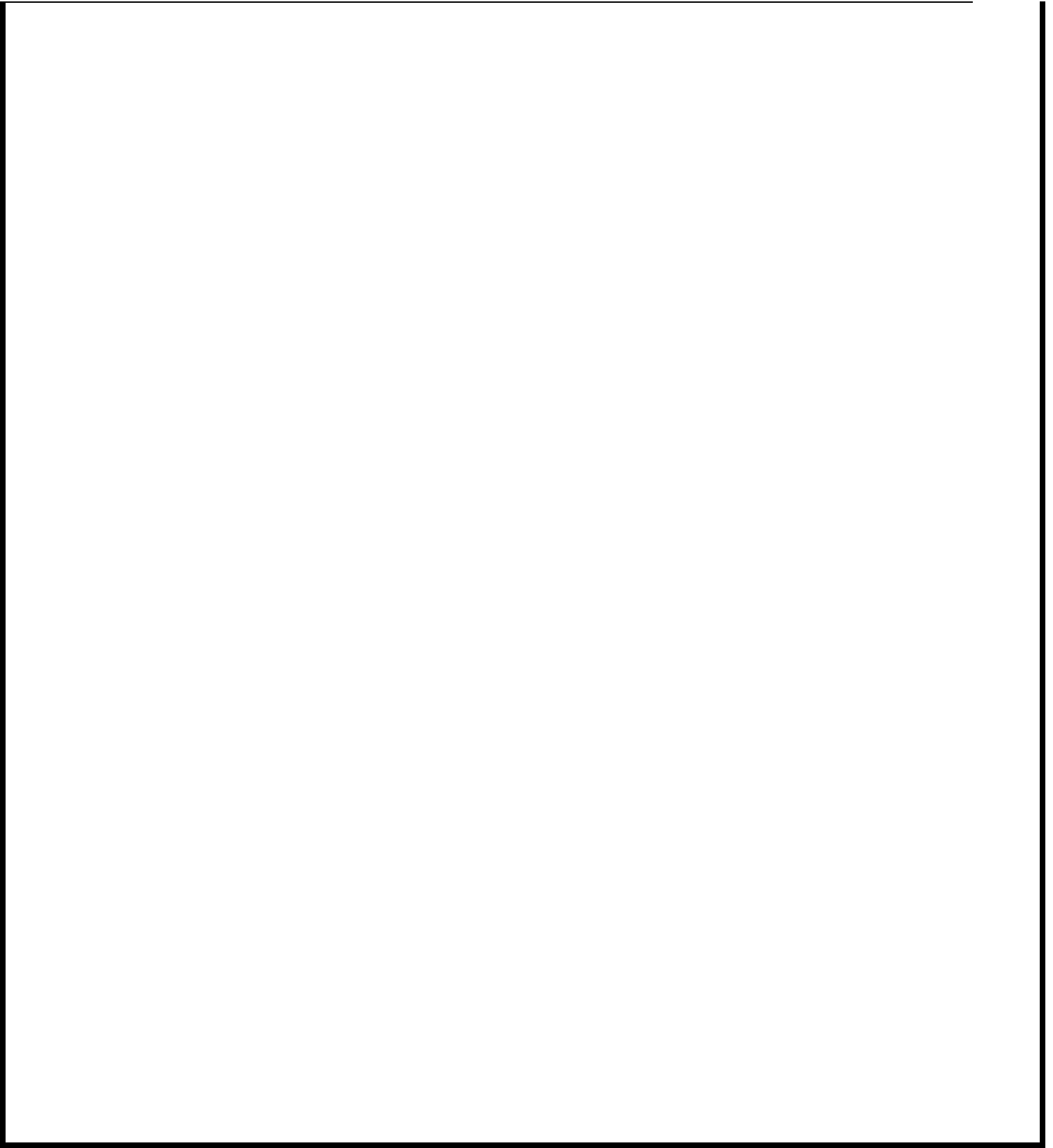
जुलाई	स्पर्श - गद्य	एवरेस्ट : मेरी शिखर यात्रा	संधि, अनौपचारिक पत्र, अनुच्छेद, उपसर्ग, प्रत्यय
	स्पर्श - पद्य	रहीम के दोहे	
	संचयन	स्मृति	
रचनात्मक अभिव्यक्ति - परियोजना कार्य			
महीना	पाठ्य पुस्तक		व्याकरण
अगस्त	स्पर्श - गद्य	तुम कब जाओगे, अतिथि	विराम चिह्न, पठन कौशल, अपठित गद्यांश, अपठित पद्यांश
	स्पर्श- पद्य	आदमी नामा	
	संचयन	कल्लू कुम्हार की उनाकोटी	
सितम्बर	पुनरावृत्ति तथा अर्द्धवार्षिक परीक्षा		
अक्टूबर	स्पर्श- गद्य	वैज्ञानिक चेतना के वाहक चन्द्रशेखर वेंकट रामन्	चित्र वर्णन, संवाद लेखन, रचनात्मक अभिव्यक्ति (कविता वाचन)

	स्पर्श- पद्य	एक फूल की चाह	
नवम्बर	स्पर्श- गद्य	कीचड़ का काव्य	वर्ण-विच्छेद, अनुस्वार, अनुनासिक, नुक्ता, संधि, अनुच्छेद, अनौपचारिक पत्र, अपठित गद्यांश और पद्यांश
	संचयन	मेरा छोटा - सा निजी पुस्तकालय	
	संचयन	मेरा छोटा - सा निजी पुस्तकालय	
दिसम्बर	स्पर्श- गद्य	धर्म की आड़	चित्र वर्णन, संवाद लेखन, विज्ञापन लेखन
	स्पर्श- पद्य	अग्नि पथ	
	संचयन	हामिद खाँ	
		दिए जल उठे	

जनवरी	स्पर्श- गद्य	शुक्रतारे के समान	पुनरावृत्ति, विराम-चिह्न, रचनात्मक अभिव्यक्ति - भाषण वाचन
	पद्य	नए इलाके में.....	
		खुशबू रचते हैं हाथ	
फरवरी	पुनरावृत्ति - मौखिक व लिखित		
मार्च	पुनरावृत्ति तथा वार्षिक परीक्षा		
परीक्षा	पाठ्य पुस्तक		व्याकरण
सामयिक	स्पर्श	धूल - गद्य	

परीक्षा - I		रैदास के पद - पद्य	वर्ण-विच्छेद, अनुस्वार, अनुनासिक, नुक्ता
	संचयन	गिल्लू	
अर्द्धवार्षिक परीक्षा	स्पर्श - गद्य	धूल	वर्ण-विच्छेद, अनुस्वार, अनुनासिक, नुक्ता, उपसर्ग-प्रत्यय, संधि, विराम चिह्न, अनौपचारिक पत्र, अनुच्छेद, अपठित काव्यांश, अपठित गद्यांश, चित्र वर्णन, संवाद लेखन, विज्ञापन लेखन
		दुःख का अधिकार	
		एवरेस्ट : मेरी शिखर यात्रा	
		तुम कब जाओगे, अतिथि	
	पद्य	रैदास के पद	
		रहीम के दोहे	
		आदमी नामा	
	संचयन	गिल्लू	
स्मृति			
कल्लू कुम्हार की उनाकोटी			
सामयिक परीक्षा - II	स्पर्श-गद्य	वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रामन्	संधि, विराम-चिह्न, उपसर्ग-प्रत्यय
	स्पर्श -	एक फूल की चाह	

	पद्य		
	संचयन	मेरा छोटा - सा निजी पुस्तकालय	
वार्षिक परीक्षा	शत-प्रतिशत (संपूर्ण) पाठ्यक्रम		



कक्षा - नवमी विषय
- संस्कृत

पाठ्यपुस्तक	मणिका भाग - 1	केन्द्रीय माध्यमिक शिक्षा बोर्ड
	अभ्यास पुस्तकम् भाग - 1	
सहायक पुस्तक	Together with Sanskrit	रचना सागर

शिक्षण उद्देश्य -

- छात्रों को संस्कृत पठन, वाचन तथा विचारों की अभिव्यक्ति के लिए प्रेरित करना।
- विश्वबन्धुत्व की भावना को जागृत करना।
- श्लोकोच्चारण करना सिखाना।
- भारतीय संस्कृति से अवगत कराना। □ संस्कृत भाषा के महत्त्व का ज्ञान कराना।

मास	पाठ्य पुस्तक		व्याकरण
अप्रैल	पाठ-1	तत्त्वमसि	शब्दरूप - बालक, कवि, साधु, मातृ
			धातुरूप - भू, पठ्, हस्र, नम्, गम् (लट, लृट् लकार)
			अपठित अवबोधनम्, चित्र वर्णनम्
	पाठ-2	अविवेकः परमापदा पदम्	उच्चारणस्थानानि, वर्णसंयोजनम्, स्वरसंधिः
मई	पाठ-3	पाथेयम्	धातुरूप - भू, पठ्, हस्र, नम्, गम् (लङ् लकार)
			अपठित अवबोधनम्, चित्र वर्णनम्, पत्र लेखनम्
सामयिक परीक्षा - I			
जुलाई	पाठ-4	स्वस्थवृत्तम्	शब्दरूप - रमा, मति, नदी, फल, मधु

			धातुरूप - अस्, हन्, क्रुध्, नश्, नृत्, आप्, शक, इष्, प्रच्छ्, कृ, ज्ञा, भक्ष्, चिन्त् (लट्, लृट् व लङ् लकार)
	पाठ-5	भ्रातृस्नेहस्तु दुर्लभः	उपपदविभक्ति - द्वितीया से सप्तमी

			सन्धि - व्याजन, विसर्ग
विषय संवर्धनम् - परियोजना कार्यम्			
महीना	पाठ्य पुस्तक		व्याकरण
अगस्त	पाठ-6	विद्यया भान्ति सद्गुणाः	धातुरूप - आत्मनेपदी - सेव्, लभ्, रुच्, मुद्, याच् उभयपदी: - नी, ह, भज्, पच् (लट्, लृट् व लङ् लकार)
			प्रत्यय - तुमुन्, क्त्वा, ल्यप्
			पत्रलेखनम्
सितम्बर	अर्द्धवार्षिक परीक्षा		
अक्तूबर	पाठ-7	तरवे नमोऽस्तु	शब्दरूप - राजन्, भवत्, आत्मन्, विद्वस्, गच्छत्
	पाठ-8	कर्मणायाति संसिद्धिम्	उपपदविभक्ति - द्वितीया, तृतीया, चतुर्थी
नवम्बर	पाठ-9	विजयताम् स्वदेशः	धातुरूप - परस्मैपदी (लोट् व विधिलिङ् लकार)

	पाठ-10	कोऽहम् वदतु साम्प्रतम्	चित्रवर्णनम्, पत्रलेखनम्
	विषय संवर्धनम् - रचनात्मक कार्यम्		
दिसम्बर	पाठ-11	न धर्मवृद्धेषु वयः समीक्ष्यते	धातुरूप - आत्मनेपदी (लोट् व विधिलिङ् लकार)
	पाठ-12	कवयामि वयामि यामि	शब्दरूप - संख्यावाचक 1 से 5 तक
			उपपदविभक्ति - पंचमी से सप्तमी
	सामयिक परीक्षा - II		
जनवरी	पाठ-13	भारतीयम् विज्ञानम्	धातुरूप - उभयपदी
	पाठ-14	भारतनास्ति मे जीवनं जीवनं	प्रत्यय - क्त, क्तवतु

फरवरी	शब्दरूप, धातुरूप - पुनरावृत्ति	
	प्रत्यय - शतृ, शानच्	
	पत्रलेखनम्, चित्रवर्णनम्, अपठित अवबोधनम्	
मार्च	वार्षिक परीक्षा	
परीक्षा	पाठ्य पुस्तकम्	अभ्यासपुस्तकम्
	पाठ-1	तत्त्वमसि

सामयिक परीक्षा - I	पाठ-2	अविवेकः परमापदां पदम्	उच्चारणस्थानानि, वर्णसंयोजनम्, स्वरसन्धिः, शब्दरूपाणि, धातुरूपाणि, चित्रवर्णनम्, अपठित-अवबोधनम्
अर्द्धवार्षिक परीक्षा	पाठ-1	तत्त्वमसि	प्रत्यय - क्त्वा, तुमुन्, ल्यप्
	पाठ-2	अविवेकः परमापदां पदम्	उच्चारणस्थानानि, वर्णसंयोजनम्, वर्णवियाजे नम्
	पाठ-3	पाथेयम्	सन्धिकार्यम् - स्वरसन्धिः, व्यंजन सन्धिः, विसर्ग सन्धिः
	पाठ-4	स्वस्थवृत्तम्	शब्दरूपाणि, धातुरूपाणि
	पाठ-5	भ्रातृस्नेहस्तु दुर्लभः	उपपदविभक्तीनां प्रयोगः
	पाठ-6	विद्यया भान्ति सद्गुणाः	अपठित-अवबोधनम्, पत्रलेखनम्, चित्रवर्णनम्
सामयिक परीक्षा - II	पाठ-7	तरवे नमोऽस्तु	शब्दरूपाणि, धातुरूपाणि, उपपदविभक्तीनां प्रयोगः, अपठित अवबोधनम्, अनौपचारिक पत्रम्, चित्रवर्णनम्
	पाठ-8	कर्मणायाति संसिद्धिम्	
वार्षिक परीक्षा	शत-प्रतिशत (संपूर्ण) पाठ्यक्रम		

SYLLABUS PLANNING
MONTHWISE SYLLABUS BREAKUP
CLASS IX SUBJECT-MATHEMATICS
SESSION 2017-18

OBJECTIVES:

The broad objectives of teaching of Mathematics at secondary stage are to help the learners to:

- consolidate the Mathematical knowledge and skills acquired at the upper primary stage; • acquire knowledge and understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles and symbols and underlying processes and skills; • develop mastery of basic algebraic skills;
- develop drawing skills;
- feel the flow of reason while proving a result or solving a problem;
- apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method;
- to develop positive ability to think, analyze and articulate logically;
- to develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases; • to develop necessary skills to work with modern technological devices such as calculators, computers, etc.
- to develop interest in mathematics as a problem-solving tool in various fields for its beautiful structures and patterns, etc.
- to develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics;
- to develop interest in the subject by participating in related competitions; • to acquaint students with different aspects of mathematics used in daily life;
- to develop an interest in students to study mathematics as a discipline.

REFERENCE BOOKS:

- 1 Mathematics Book class IX
- 2 U-LIKE CBSE SAMPLE PAPERS.....

Author

R.D Sharma

APRIL

CHAPTER 1- NUMBER SYSTEM

- Introduction

- Irrational numbers
- Real numbers and their decimal expansion
- Representing real numbers on the number line
- Operations on real numbers
- Laws of exponents for real numbers
- Summary

CHAPTER 2- POLYNOMIALS

- Introduction
- Polynomials in one variable
- Zeroes of a polynomials
- Remainder theorem
- Factorisation of polynomials
- Algebraic identities
- Summary

MAY

CHAPTER 3- COORDINATE GEOMETRY

- Introduction
- Cartesian system
- Plotting a point in the plane if its coordinates are given

CHAPTER 5- INTRODUCTION TO EUCLID'S GEOMETRY

- Introduction
- Euclid's Definitions, Axioms and Postulates
- Equivalent version of Euclid's fifth postulate
- Summary

SUBJECT ENRICHMENT ACTIVITY

LAB MANUAL ACTIVITIES 1 to 3

JULY

CHAPTER 6-LINES AND ANGLES

- Introduction
- Basic terms and definitions
- Intersecting lines and non-intersecting lines
- Pairs of angles

- Parallel lines and a transversal
- Lines parallel to the same line
- Angle sum property of a triangle
- Summary

CHAPTER 7- TRIANGLES

- Introduction
- Congruence of triangle
- Criteria for congruence of triangle
- Some properties of a triangle
- Some more criteria for congruence of triangle
- Inequalities in a triangle
- Summary

AUGUST

CHAPTER 12- HERON'S FORMULA

- Introduction
- Area of a triangle – by Heron's Formula
- Application of Heron's Formula in finding areas of quadrilaterals
- Summary

REVISION OF SA 1 SYLLABUS AND MOCK TEST

SUBJECT ENRICHMENT ACTIVITY

LAB MANUAL ACTIVITIES 4 AND 5

SEPTEMBER REVISION OF MID TERM SYLLABUS MID TERM EXAMS

TERM II

OCTOBER

CHAPTER 4- LINEAR EQUATIONS IN TWO VARIABLES

- Introduction
- Linear equations
- Solutions of a linear equation
- Graph of a linear equation in two variables
- Equation of lines parallel to x-axis and y-axis
- Summary

CHAPTER 11-CONSTRUCTIONS

- Introduction
 - Basic construction of angles
 - Some construction of triangles
- Summary **NOVEMBER**

CHAPTER 10-CIRCLES

- Introduction
- Circles and its related terms : A review
- Angle subtended by a chord at a point
- Perpendicular from the centre to a chord
- Circle through three points
- Equal chords and their distances from the centre
- Angle subtended by an arc of a circle
- Cyclic quadrilaterals
- Summary

CHAPTER 14- STATISTICS

- Introduction
- Collection of data
- Presentation of data
- Graphical representation of data
- Measure of central tendency
- Summary

DECEMBER

CHAPTER 13- SURFACE AREA AND VOLUMES

- Introduction
- Surface area of a cuboid and a cube
- Surface area of a right circular cylinder
- Surface area of a right circular cone
- Surface area of a sphere
- Volume of a cuboid
- Volume of a cylinder
- Volume of a right circular cone

- Volume of a sphere
- Summary

CHAPTER 15- PROBABILITY

- Introduction
- Probability – an experimental approach
- Summary

SUBJECT ENRICHMENT ACTIVITY

LAB MANUAL ACTIVITIES- 6 TO 8

JANUARY

CHAPTER 9- AREA OF PARALLELOGRAMS AND TRIANGLE

- Introduction
- Figures on the same base and between the same parallels
- Parallelogram on the same base and between the same parallels
- Triangles on the same base and between the same parallels
- Summary

FEBRUARY

CHAPTER 8-QUADRILATERALS

- Introduction
- Angle sum property of a quadrilateral
- Types of quadrilaterals
- Properties of a parallelogram
- Another condition for a quadrilateral to be a parallelogram
- The mid- point theorem
- Summary

REVISION OF SA 1 SYLLABUS AND MOCK TEST

SUBJECT ENRICHMENT ACTIVITY

LAB MANUAL ACTIVITIES- 9 and 10

EXAM WISE SYLLABUS BREAK UP

□ **PERIODIC TEST 1- CHAPTER 1- NUMBER SYSTEM**

CHAPTER 2- POLYNOMIAL

- **MID TERM EXAMINATION** –CHAPTER 1- NUMBER SYSTEM

CHAPTER 2- POLYNOMIAL

CHAPTER 3- COORDINATE GEOMETRY

CHAPTER 5- INTRODUCTION TO EUCLID'S

GEOMETRY

CHAPTER 6-LINES AND ANGLES

CHAPTER 7- TRIANGLES

CHAPTER 12- HERON'S FORMULA

- **PERIODIC TEST 2** -- CHAPTER 4- LINEAR EQUATIONS IN TWO VARIABLES

CHAPTER 11-CONSTRUCTIONS

- **ANNUAL EXAMINATION**
- FULL SYLLABUS

**SYLLABUS BREAK UP
SESSION: 2017-2018
CLASS:IX
SUBJECT:SCIENCE**

- COURSE BOOK** : 1. Science - Textbook for class IX - NCERT Publication
2. Laboratory Manual(Science)-Class IX (Together With Science)

REFERENCE BOOKS

1. Chemistry for class 9 by Lakhmir Singh & Manjeet Kaur
2. Exam Idea CCE Series(Science)
3. Super Simplified Science By K.N Bhatia and C.S Mishra

Science is a body of knowledge based on experiment, observation and inference, which is judgment based on evidence. Through science teaching, children are required to develop certain scientific ways of thinking as they work. The subject of science plays an important role in developing well-defined abilities in cognitive, affective and psychomotor domains in children. It augments the spirit of enquiry, creativity, objectivity and aesthetic sensibility. OBJECTIVES

Science teaching aims to realise the following general objectives. It enables the learners to

- know the facts and principles of science and its applications, consistent with the stage of cognitive development.
- acquire the skills and understand the methods and processes that lead to generation and validation of scientific knowledge.
- develop intellectual and practical scientific skills.
- motivate to apply basic scientific principles in all sciences.
- acquire knowledge about health, environment and safety practices and behave accordingly.
- realise that some natural resources can be depleted and make them aware of the role of science in sustaining these resources.
- use scientific knowledge and skills in novel situations especially in everyday life.
- emphasize the role of scientists in the advancement of human kind.
- develop scientific curiosity and orientation toward scientific research. ● work independently and cooperatively in solving scientific problems.

MONTHWISE SYLLABUS BREAK UP TERM 1

**APRIL:
PHYSICS**

CHAPTER-8 (MOTION)

Motion : 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 **LAB ACTIVITIES**

PHYSICS

1.To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.

CHEMISTRY

CHAPTER: -1 (MATTER IN OUR SURROUNDINGS)

Matter- Nature and Behaviour ;Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat),freezing, condensation, sublimation

LAB ACTIVITIES CHEMISTRY

1. To carry out the following reactions and classify them as physical or chemical changes. a. Iron with copper sulphate solution in water.
b. Burning of magnesium in air. c. Zinc with dilute sulphuric acid
d. Heating of copper sulphate e. Sodium sulphate with barium chloride in the form of their solutions in water.
- 2.To separate the components of a mixture of sand, common salt and ammonium chloride (or camphor) by sublimation.

BIOLOGY

CHAPTER-5 (THE FUNDAMENTAL UNIT OF LIFE)

Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, nucleus, chromosomes - basic structure.

LAB ACTIVITIES

1. a)To prepare stained temporary mount of onion peel and to record observations and draw their labelled diagram.

MAY :

PHYSICS

CHAPTER-8 (MOTION) contd.

Elementary idea of uniform circular motion.

LAB ACTIVITIES PHYSICS

- 1.To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.

CHEMISTRY

CHAPTER-1 (MATTER IN OUR SURROUNDINGS) contd.

Evaporation , cooling by evaporation

CHAPTER -2(IS MATTER AROUND US PURE)

Heterogeneous and homogeneous mixtures

LAB ACTIVITIES CHEMISTRY

- 3.To determine the melting point of ice and the boiling point of water.

BIOLOGY

CHAPTER-5 (THE FUNDAMENTAL UNIT OF LIFE) contd.

Cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus.

LAB ACTIVITIES

1.b) To prepare stained temporary mount of human cheek cells and to record observations and draw their labelled diagram.

JULY :

PHYSICS

CHAPTER-9 (FORCE AND LAWS OF MOTION)

Force and Newton's laws: Force and motion, Newton's laws of motion, inertia of a body, inertia and mass, momentum, force and acceleration. Elementary idea of conservation of momentum, action and reaction forces.

LAB ACTIVITIES PHYSICS

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.

CHEMISTRY

CHAPTER : 2 (IS MATTER AROUND US PURE) contd.

Colloids and suspensions, separation techniques.

LAB ACTIVITIES CHEMISTRY

4. To prepare a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal of starch in water and egg albumin in water and distinguish between these on the basis of i) transparency ii) filtration criterion iii) stability

BIOLOGY

CHAPTER-6(TISSUES)

Tissues, Organs, Organ System, Organism, Structure and functions of animal and plant tissues (four types in animals; meristematic and permanent tissues in plants).

LAB ACTIVITIES

2. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Drawing of their labelled diagrams.

AUGUST :

PHYSICS

CHAPTER-10 (GRAVITATION)

Gravitation; universal law of gravitation, force of gravitation of the earth (gravity), acceleration due to gravity; mass and weight; free fall.

LAB ACTIVITIES PHYSICS

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.

CHEMISTRY

CHAPTER : 2(IS MATTER AROUND US PURE) contd.

Nature of matter: Elements, compounds & mixtures, Physical and chemical changes

LAB ACTIVITIES CHEMISTRY

5. To prepare a) a mixture b) a compound using iron filings and sulphur powder and distinguish between these on the basis of:

i. appearance i.e., homogeneity and heterogeneity ii. behaviour towards magnet iii. behaviour towards carbon disulphide as a solvent. iv. effect of heat.

BIOLOGY

CHAPTER-15(IMPROVEMENT IN FOOD RESOURCES)

Plant and animal breeding and selection for quality improvement and management; use of fertilizers, manures; protection from pests and diseases; organic farming.

SEPTEMBER REVISION FOR MID TERM EXAMS

TERM- 2

OCTOBER: PHYSICS

CHAPTER-10 (GRAVITATION)

Floatation : Thrust and pressure. Archimedes' principle, buoyancy, elementary idea of relative density.

LAB ACTIVITIES PHYSICS

3.To determine the velocity of a pulse propagated through a stretched string/slinky.

CHEMISTRY

CHAPTER : CHAPTER-3 (ATOMS & MOLECULES)

Particle nature, basic units : Atoms and molecules. Laws of chemical combination, Atomic and molecular masses; Valency.; Chemical formula of common compounds.

LAB ACTIVITIES CHEMISTRY

6. To verify the law of conservation of mass in a chemical reaction.

BIOLOGY

CHAPTER-13(WHY DO WE FALL ILL?)

Health and Diseases : Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention.

LAB ACTIVITIES

3.To study the external features of root, stem, leaf and flower of monocot and dicot plants.

NOVEMBER :

PHYSICS

CHAPTER-11 (WORK AND ENERGY)

Work done by a force, energy; kinetic and potential energy

LAB ACTIVITIES PHYSICS

3.To determine the velocity of a pulse propagated through a stretched string/slinky.

CHEMISTRY

CHAPTER : 3 (ATOMS& MOLECULES) contd.

Mole Concept : Relationship of mole to mass of the particles and numbers.

LAB ACTIVITIES CHEMISTRY

6. To verify the law of conservation of mass in a chemical reaction.

BIOLOGY

CHAPTER-13 (WHY DO WE FALL ILL?) contd.

Principles of treatment and prevention of diseases, Pulse polio programmes.

CHAPTER-7 (DIVERSITY IN LIVING ORGANISMS)

Biological Diversity : Diversity of plants and animals - basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperms and Angiosperms).

LAB ACTIVITIES

4.To study the characteristic 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.

DECEMBER:

PHYSICS :

CHAPTER-11 (WORK AND ENERGY)

power; law of conservation of energy.

CHAPTER-12 (SOUND)

Sound : Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound, reflection of sound

LAB ACTIVITIES PHYSICS

4.To verify laws of reflection of sound

CHEMISTRY

CHAPTER -4 (STRUCTURE OF ATOM)

Structure of atom : Electrons, protons and neutrons

BIOLOGY

CHAPTER-7(DIVERSITY IN LIVING ORGANISMS)(contd...)

Major groups of animals (salient features) (Non-chordates upto phyla and chordates upto classes).

CHAPTER-I4(OUR NATURAL RESOURCES) Physical resources : Air, Water, Soil.

Air for respiration, for combustion, for moderating temperatures; movements of air and its role in bringing rains across India;Air, water and soil pollution(brief introduction).

LAB ACTIVITIES

5. To observe and draw the given pictures/charts/models-earthworm, cockroach, bony fish and bird. For each organism record:
- one specific feature of its phylum.
 - one adaptive feature with reference to its habitat.

JANUARY:

PHYSICS

CHAPTER-12 (SOUND) contd.

Echo and SONAR.Structure of the human ear (auditory aspect only)

CHEMISTRY

CHAPTER -4 (STRUCTURE OF ATOM) contd.

Isotopes and isobars.

BIOLOGY

CHAPTER-I4(OUR NATURAL RESOURCES) contd.

Holes in ozone layer and the probable damages.Bio-geo chemical cycles in nature : Water, oxygen, carbon and nitrogen.

FEBRUARY:

REVISION FOR SA-2 EXAMS

MARCH

EXAMWISE SYLLABUS BREAKUP

MONDAY TEST 1

- CHAPTER: -1 MATTER IN OUR SURROUNDINGS • Chapter-5(The fundamental unit of life)
- CHAPTER-8 (MOTION)

MID TERM EXAMINATION

- CHAPTER: -1 MATTER IN OUR SURROUNDINGS
- CHAPTER : 2 IS MATTER AROUND US PURE
- Chapter-5(The fundamental unit of life)
- Chapter-6(Tissues)
- Chapter-15(Improvement in food resources) +Lab Activities 1(a),1(b),2.
- Chapter-8 (Motion)
- Chapter-9 (Force and laws of motion)
- Chapter-10(Gravitation Page131-138)
- + Lab Activity 1,2

MONDAY TEST 2

- CHAPTER : 3 ATOMS& MOLECULES
- Chapter-13(Why do we fall ill?)
- Chapter-11(Work and Energy)

ANNUAL EXAMINATION

- CHAPTER: -1 MATTER IN OUR SURROUNDINGS
- CHAPTER: 2 IS MATTER AROUND US PURE
- CHAPTER: 3 ATOMS& MOLECULES
- CHAPTER :4 STRUCTURE OF ATOM
- **Chapter-5(The fundamental unit of life) • Chapter-6(Tissues) • Chapter7(Diversity in living organisms) • Chapter-13(Why do we fall ill?) • Chapter-14(Our natural resources)**
- **Chapter-15(Improvement in food resources) + Lab Activities 1(a),1(b),2,3,4,5.**
- Chapter-8 (Motion)
- Chapter-9 (Force and laws of motion)
- Chapter-10 (Gravitation)
- Chapter-11(Work and Energy)

Chapter-12(Sound)
+ Lab Activities 2,3,4,5 &6
Chapter-10 (Gravitation Page 138-1142)
Chapter-11(Work and Energy)
Chapter-12(Sound)
+ Lab Activities1, 2,3&4

SYLLABUS BREAK UP
SESSION: 2017-2018
CLASS: IX
SUBJECT: SOCIAL SCIENCE

COURSE BOOKS :

GEOGRAPHY- India-Land and the People
HISTORY-India and the Contemporary World-I
ECONOMICS-Understanding Economic Development –I
POLITICAL SCIENCE-Democratic Politics I
HISTORICAL AND GEOGRAPHICAL ATLAS (DIAMOND)

OBJECTIVES:

1. To develop an understanding of contemporary India with its historical perspective ,of the basic framework of the goals and policies of national development in independent India, and of the process of change with appropriate connections to world development.
2. To deepen the knowledge about and understanding of India’s environment in its totality ,their interactive processes and effects on the future quality of people’s lives.
3. To facilitate the learners to understand and appreciate the diversity in the land and people of the country with its underlying unity.
4. To promote an understanding of the issues and challenges of contemporary Indiaenvironmental, economic and social, as part of the development process.
5. To help learners understand and cherish the values enshrined in the Indian Constitution and to prepare them for their roles and responsibilities as effective citizens of a democratic society

MONTHWISE SYLLABUS BREAK UP

APRIL:

GEOGRAPHY:	CHAPTER-1: India-Size and Location
HISTORY:	CHAPTER-1: The French Revolution

ECONOMICS: CHAPTER 1: The economic story of Palampur
POLITICAL SCIENCE: CHAPTER-1: What is Democracy?

MAY

GEOGRAPHY: CHAPTER -2: Physical features of India

HISTORY: CHAPTER -1: The French Revolution

POLITICAL SCIENCE: CHAPTER -2 : Why Democracy?

JULY

GEOGRAPHY: CHAPTER -2: Physical features of India (Contd.)

HISTORY: CHAPTER -1: The French Revolution

POLITICAL SCIENCE: CHAPTER -3 : Designing of Democracy in India

AUGUST

GEOGRAPHY: CHAPTER -3: Drainage

HISTORY: CHAPTER -2: socialism in Europe and Russian Revolution.

ECONOMICS: CHAPTER -2: People as a resource

SEPTEMBER

REVISION FOR MID TERM EXAMS

GEOGRAPHY: CHAPTER -3: Drainage (contd.)

HISTORY: CHAPTER -2: socialism in Europe and Russian Revolution.

CHAPTER -3: The Rise of Nazism

ECONOMICS: CHAPTER -2: People as a resource

OCTOBER

GEOGRAPHY: CHAPTER -4: Climate

HISTORY: CHAPTER -3 : The Rise of Nazism

POLITICAL SCIENCE: CHAPTER -4: Electoral politics in Democracy(An ` `

Introduction)

NOVEMBER

GEOGRAPHY: CHAPTER -4: Climate

HISTORY: CHAPTER -3: The Rise of Nazism

POLITICAL SCIENCE: CHAPTER -4: Electoral politics in Democracy(An
Introduction)

DECEMBER

GEOGRAPHY: CHAPTER -5: Natural wildlife and vegetation

HISTORY: CHAPTER -6: Peasants and farmers.

POLITICAL SCIENCE: CHAPTER -5: Institutions of Parliamentary Democracy
CHAPTER -6: Citizens rights in Democracy

JANUARY

GEOGRAPHY: CHAPTER -6: Population

HISTORY: CHAPTER -6: Peasants and farmers.

ECONOMICS: CHAPTER- 4 : Food security in India

FEBRUARY

GEOGRAPHY: CHAPTER -6: Population (contd.)

HISTORY: CHAPTER -6: Peasants and farmers.

ECONOMICS: CHAPTER- 4 : Food security in India

REVISION FOR ANNUAL EXAMS

MARCH

ANNUAL EXAMS

EXAMWISE SYLLABUS BREAKUP

PERIODIC TEST 1

- GEOGRAPHY: CHAPTER-1: India-Size and Location
- HISTORY: CHAPTER-1: The French Revolution □
- ECONOMICS: CHAPTER 1: The economic story of Palampur □
- POLITICAL SCIENCE: CHAPTER-1: What is Democracy?

MID TERM EXAMINATIONS

- GEOGRAPHY: CHAPTER-1: India-Size and Location
CHAPTER -2: Physical features of India
CHAPTER -3: Drainage
- HISTORY: CHAPTER -1: The French Revolution
CHAPTER -2: Socialism in Europe and the Russian revolution
- POLITICAL SCIENCE: CHAPTER-1: What is Democracy?
CHAPTER -2 : Why Democracy?
- CHAPTER -3 : Designing of Democracy in India
- ECONOMICS: CHAPTER 1: The economic story of Palampur
CHAPTER -2: People as a resource

PERIODIC TEST 2

GEOGRAPHY: CHAPTER -4: Climate

- HISTORY: CHAPTER -3: The rise of Nazism
- POLITICAL SCIENCE: CHAPTER -4: Electoral politics in Democracy (An Introduction)
- ECONOMICS : CHAPTER : 3 : Poverty as a challenge

ANNUAL EXAMINATIONS: FULL SYLLABUS

SYLLABUS PLANNING CLASS IX
SESSION : 2017-2018
MONTHWISE SYLLABUS BREAKUP
SUBJECT: FOUNDATION OF INFORMATION TECHNOLOGY

OBJECTIVES:

Learning Outcomes:

- *Understanding organization of a computer system and networking.*
- *Basic understanding of database design.*
- *Ability to work on office tools such as word processor, spreadsheet and presentation.*
- *Ability to apply knowledge and practice on office tools to develop IT applications.*
- *Ability to use Indian languages in developing an IT application.*
- *Ability to design HTML webpage.*
- *Appreciation/awareness of societal impacts of information technology in business. Public services, education, health etc.*
- *Awareness of basic information security issues.*

TEXT BOOKS:

Name	Publisher
I.T. Tools Foundation of Information Technology	KIPS

Month Wise Syllabus

APRIL:

UNIT I : Basics of Information Technology

Chapter 1 : Convergence and Computing Technology

- ✓ Convergence of Technologies
- ✓ History of convergence
- ✓ Reasons of convergence
- ✓ The 3Cs of Technological Convergence
- ✓ Types of Convergence

Chapter 2: Computer System ✓

What is Computer?

- ✓ Characteristics/ Limitations/ Applications/ Functions of Computers
- ✓ CPU & its Components
- ✓ Memory unit and its types
- ✓ Types of computers based on Operation and configuration

Chapter 8:

OpenOffice.org Writer – I

-
- ✓ Introduction to Word Processor
 - ✓ Activating TIPS feature
 - ✓ Word wrap, Non printing characters
 - ✓ Creating and saving document

MAY:

Chapter 3: Input and Output Devices

- ✓ Input Unit
- ✓ The processing Unit
- ✓ The Output Unit
- ✓ Storage Devices

Chapter 9: OpenOffice.org Writer – II

- ✓ Formatting a Document
- ✓ Number pages
- ✓ Inserting symbols

JULY:

Chapter 4: Software and its types

- ✓ Classification of Software
- ✓ Encryption/Decryption Tools
- ✓ General and Specific Purpose Applications
- ✓ Programming Language

Chapter 5: Linux

- ✓ Operating System
- ✓ OS needs, features, functions and types
- ✓ BOSS Linux Operating System
- ✓ User accounts
- ✓ Managing Files and Folders

AUGUST :

Chapter 10: OpenOffice. Org Writer III

- ✓ Creating Bulleted or Numbered Lists
- ✓ Spell Check
- ✓ Inserting Graphics in Writer
- ✓ Tables
- ✓ Tracking changes
- ✓ Converting text to table and vice versa
- ✓ Mail Merge
- ✓ Printing and Getting Help

SEPTEMBER:

Chapter 7: Windows

- ✓ Features of Windows 7

- ✓ Windows Elements
- ✓ Mouse Settings
- ✓ Using Context Menu
- ✓ Dialog Box
- ✓ Customizing the Desktop
- ✓ Control Panel

OCTOBER:

Chapter 5: Communication Technology ✓

What is Network?

- ✓ Components of networking
- ✓ Networking Transmission Media
- ✓ Modem
- ✓ Types of Networks
- ✓ Multimedia

Chapter 11: OpenOffice.org Impress - I

- ✓ Presentation Graphics Software
- ✓ Steps to Impress Presentation
- ✓ Physical Aspects
- ✓ Different Views of a Slide
- ✓ Editing and Formatting a Slide

NOVEMBER

Chapter 12: OpenOffice.org Impress – II

- ✓ Adding illustrations to the slides
- ✓ Slide Master
- ✓ Adding sound and video on a slide
- ✓ Headers and footers
- ✓ Grouping and ungrouping objects
- ✓ Creating watermark
- ✓ Applying Rehearse Timings

DECEMBER:

Chapter – 13 OpenOffice.org Calc I

- ✓ Calc Spreadsheet Basics
- ✓ Editing Cell Contents
- ✓ Commands for Worksheet/Workbook
- ✓ Cell Reference
- ✓ Using simple functions

Chapter – 14 OpenOffice.org Calc II

- ✓ Formatting Data
- ✓ Charts in OOO Calc
- ✓ Printing Worksheets/charts

JANUARY:

Chapter 12: Societal Impact of IT

- ✓ Identify operations at workplace and the tools being used
- ✓ State organizational structure and identify IT development team
- ✓ Intellectual Property Rights
- ✓ Prevention of Software Piracy and Protection

FEBRUARY:

Revision

Exam wise Syllabus Break up

Periodic Test1 : Chapters – 1, 2, 3 and 8

Mid Term Examination : Chapters- 1,2,3,4, 6, 8, 9 and 10

Periodic Test 2 : Chapter – 5, 7 and 11

Annual Examinations : Full Syllabus