CLASS 7

ENGLISH LANGUAGE SYLLABUS

MID TERM

1.Kinds of Sentences
i.Declarative
ii.Imperative
iii.Exclamatory
iv.interrogative
2.Tenses
i. Present tense –(simple, continuous,perfect,perfect continuous)
ii.Past tense- (simple,continuous,perfect,perfect continuous)
3.Prepositions
4.Comprehension
5.Letter Writing (Informal)
6.Picture Composition
7.Idioms

FINAL TERM

1.Active and Passive Voice
2.Subject –Verb Agreement
3.Direct and Indirect Speech –(Declarative, Interrogative, Imperative)
4.Tenses
5.Preposition
6.Paragraph Writing
7.Comprehension

CLASS 7

MID TERM SYLLABUS

ENGLISH LITERATURE

1.The Selfish Giant
2.Govinda's Disciple
3.A Grain as Big as a Hen's egg
4.Harold – Our Hornbill

FINAL TERM SYLLABUS

1.The Laburnum
2.The Milkman of India
3.Getting Ready For Adventure
4.The Nightingale and the Glow worm

Class 7

History and Civics syllabus 2022

Mid-term

1. Rise Of Christianity. Ch 1
2. Spread Of Christianity. Ch2
3. Rise And Spread Of Islam Ch3
4. Turkish Invasion Of India Ch4
5. The Delhi Sultanate 5
6. Our Constitution. Ch12

Final term

1.The Regional Kingdoms Ch7
2. The Coming Of The Mughals Ch 8
3. The Great Akbar Ch 9
4. The Mughal Empire After Akbar Ch10
5. Directive Principles Of State Policy. Ch 13.

CHEMISTRY SYLLABUS 2022
CLASS:7

CHAPTER NO	CHAPTER NAME	TOPIC
	MID TERM	
1	**MATTER AND ITS COMPOSITION**	1. Introduction: Definition of Matter 2. Matter has Mass and Occupies Space 3. Composition and Characteristics of Matter 4. Characteristics of Particles of Matter 5. States of Matter 6. Interconversion of States of Matter(Kinetic Theory) 7. Activities
2	**PHYSICAL AND CHEMICAL CHANGES**	1. Introduction To Physical and Chemical Changes with Examples 2. Types of Changes with Examples 3. Physical change with Examples and Terms involved in some Physical Changes 4. Conditions affecting Evaporation 5. Chemical change and its Importance characteristics and Examples(Burning and Rusting) 6. Differences between Physical and Chemical Changes 7. Activities
3	**ELEMENTS, COMPOUNDS AND MIXTURES**	1. Introduction to concepts of Pure and Impure substance 2. Elements: Defination with common examples, what makes an element-Atom 3. Classification of Elements 4. Symbols of Elements (English and Latin names of some common Elements) 5. Compounds: Defination with common examples, what makes a compound-molecule 6. Characteristics of Compounds 7. Mixtures : Defination, Kinds of Mixtures(Heterogeneous and Homogenous) with examples 8. Characteristics of Mixtures 9. Differences between Compounds and Mixtures 10. States of Components of different types of mixtures with Examples 11. Need for the Separation of Components of Mixtures

		Different Method of Separation of mixtures-seperation of solid-solid, solid-liquid, liquid-liquid, gas-liquid, modern techniques and Activitie
7	**AIR AND ATMOSPHERE**	1. Introduction, occurrence, constituents of air 2. Importance of various components of air(Notrogen, Oxygen, Carbon dioxide,Water vapour and Dust Particles 3. Types of pollutants in air and their harmful effects(acid rain, global warming) 4. How to prevent air pollution
FINAL TERM		
4	**ATOMS, MOLECULES AND RADICALS**	1. Introduction to basic concepts of atoms and molecules 2. An Atom: Defination,discovery, characteristics and components of an atoms 3. A Molecule: Defination, types of molecules(molecules of an element and molecules of a compound) 4. Atomicity 5. Molecular Formula of an Element: Defination and representation 6. Radicals: Defination and types (acid and basic radicals) 7. Valency 8. Relationship between Valency of Elements and Periodic Table 9. Molecular Formula of Compounds 10. Writing the Chemical Formula of a Compound 11. Activities
5	**LANGUAGE OF CHEMISTRY**	1. Introduction to Chemical Reactions(Defination with examples) 2. Conditions Necessary for Chemical Reactions 3. Characteristics of Chemical Reactions 4. Chemical Equations(Defination with examples 5. Steps involved in writing a chemical equation 6. How to Balance a Chemical Equation? And activities
6	**METALS AND NON-METALS**	1. Introduction 2. Metals 3. Occurrence of Metals 4. Non-Metals 5. Occurrence of Non-Metals

		6. Comparison of General Properties of Metals and Non-Metals to Distinguish them 7. Corrosion in Metals 8. Rusting of Iron 9. Conditions for Rusting 10. Prevention from Rusting 11. Uses of some Metals 12. Uses of some Non-Metals 13. Metalloids and inert gases 14. Activities

YLLABUS FOR THE YEAR 2022

SUBJECT: COMPUTER **CLASS: 7**

MID TERM			
SL NO	**CHAPTER**	**TOPICS**	
1	1 COMPUTER - HARDWARE COMPONENTS	Computer hardware-Internal and external; External Hardware-Input peripherals, output peripherals, storage peripherals; Internal hardware- cabinet, motherboard, CPU, RAM, ROM, PSU, Ports, Slots	
2	2 TROUBLESHOOTING	Introduction, Areas to troubleshoot, hardware, software, OS Practical: Students will the identify case based troubleshooting problems and suggest solutions	
3	3 NUMBER SYSTEM-AN INTRODUCTION	Introduction to number system, bases and digits of different number system - binary, octal, decimal and hexadecimal, conversion of decimal to binary and vice versa, conversion of decimal to octal and vice versa	
4	4 COMPUTER VIRUS	Virus, Types of virus, different forms of virus attack- worms, trojan horse, spyware; Symptoms of virus attack on a computer, how does malware get into a computer, ways to prevent virus, hacker Practical: PPT Assignment	
5	5 ETHICS AND SAFETY MEASURES IN COMPUTING	Social Networking, Facebook, LinkedIn, Pinterest, Advantages and disadvantages of social networking, Cyber Ethics, Cybercrime, Safety measures to be taken while using the internet, Digital Footprints Practical: PPT Assignment	
SL NO	**CHAPTER**	**TOPICS**	
1	6 SPREAD SHEETS-AN INTRODUCTION	Navigating through a worksheet; Components of an excel window; save,open,close and exit a worksheet, entering data in a worksheet Practical: Students will create simple spreadsheet documents	
2	7 EDIT CELLS CONTENTS IN SPREADSHEETS	Selecting data,inserting/deleting data cells in rows and columns, changing cell contents, adjusting row and column, using auto fill Practical: Students will perform lab activity given in the textbook	
3	8 FORMAT CELL CONTENTS IN SPREADSHEET	Formatting text, aligning text, orientation, indentation, margins, formatting numbers Practical: From textbook	
4	12 HTML-ADVANCED FEATURES	Comment tag, Creating lists in a Web Page,Inserting images, creating hyper-links,creating tables and forms	

		Practical: Students will create HTML programs on each mentioned topic	
5	QBASIC	Introduction to QBASIC, QBASIC Commands – CLS, REM, INPUT, PRINT, Arithmetic expressions, Operators, Variables, String, Conditional Statement – IF THEN ELSE, Practical: Students will type and execute simple QBASIC programs	

KHASI SECOND LANGUAGE
CLASS 7 MIDTERM SYLLABUS 2022

PROSE

1. KA DAIÑTHLEN
2. KA SYIEM JALAPANG BAD KI MASI MAW
3. KA JINGSHAD U KHUN KHASI PNAR

POETRY

1. MAWLYNNAI
2. U DIENG BILAT
3. U KHLUR

GRAMMAR

1. KTIEN KYNNOH
2. THAW SENTEN
3. SHORT COMPOSITION
4. JINGBATAI KTIEN (IDIOMS AND PHRASES)
5. COMPREHENSION

CLASS 7 FINAL TERM 2022

PROSE

1. U MASI KHLAM BAD KI KHYNDAI BAH RYNTIEH
2. KHYNDAI UMTONG
3. KA KSHAID SUNAPANI

POETRY

1. KA NAM
2. U SANDY

GRAMMAR

1. KTIEN KYNNOH
2. THAW SENTEN
3. SHORT COMPOSITION
4. JINGBATAI KTIEN (IDIOMS AND PHRASES)
5. COMPREHENSION

ACADEMIC PLANNER HINDI CLASS 7 (2022) MID TERM	
CHAPTER NUMBER AND NAME	**TOPICS TO BE COVERED**
1. उषा आ रही है	कविता–वाचन, आशय,मौखिक– लिखित अभिव्यक्ति, भाव समझना, वर्ण–विच्छेद, पर्याय, अनेकार्थक, भाववाचक संज्ञा, विशेषण–विशेष्य
2. ज़फर मियाँ की लगन	पठन, आशय स्पष्ट करना, अभिव्यक्ति, पर्यायवाची, नुक्ता, वाक्य–प्रयोग
3. थॉमस कुक	पठन–पाठन, आशय स्पष्ट करना, पर्याय, प्रत्यय, संबंधबोधक
4. दो गौरैयाँ	भावपूर्ण कथा पठन, 'र' के रूप, किसने–किससे कहा, आशय स्पष्ट करना, सर्वनाम, विराम–चिह्न
5. पिपीलिका	कविता वाचन, भाव समझना,मौखिक–लिखित अभिव्यक्ति, लिंग, विलोम, प्रत्यय, वाक्य बनाना, अनेक शब्दों के लिए एक शब्द
6. गुल्ली–डंडा	भावपूर्ण पठन, पर्याय, विलोम, भाव वाचक संज्ञा, क्रिया–विशेषण, मुहावरे
7. मिसाइल वुमन–मेरी प्रेरणा	पत्र पठन, प्रश्नोत्तर, पर्याय, संयुक्ताक्षर, 'र' के रूप, विशेषण, वाक्य भेद
CHAPTER 8 AS ACTIVITY BASED WORK	
व्याकरण	
निबंध	
अपठित गद्यांश	
पत्र-लेखन	

ACADEMIC PLANNER HINDI CLASS 7 (2022) FINAL TERM	
CHAPTER NUMBER AND NAME	**TOPICS TO BE COVERED**
9.वीर	कविता वाचन, भाव समझना, मौखिक–लिखित अभिव्यक्ति, पर्याय, विलोम, 'र' के रूप, मुहावरे
10.ईमानदार बालक	भावपूर्ण वाचन, उपसर्ग–मूलशब्द, वचन, समास, विराम–चिह्न
11.लोहे के इंसानों का देश	पाठ वाचन,मौखिक–लिखित प्रश्न,अनेकार्थक शब्द, समश्रुत–भिन्नार्थक शब्द, वाक्य–भेद, विराम–चिह्न
12.प्राणी वही प्राणी है	लय और भावपूर्ण कविता पठन, प्रत्यय, विलोम, विशेषण, काल
13.आम बराबर गेहूँ	पाठ पठन, पर्याय, विलोम, समास
14.अपूर्व अनुभव	भावपूर्ण वाचन, पुनरुक्त शब्द वाक्य प्रयोग, श्रुतिसम–भिन्नार्थक, अनेकार्थी, विशेषण–विशेष्य, क्रिया–विशेषण
15.दोहे	लयबद्ध गान, खड़ी बोली हिन्दी के शब्द, पर्याय, अलंकार
GRAMMAR	निबंध, पत्र–लेखन, भावग्रहण, व्याकरण

SYLLABUS FOR THE YEAR 2022
CLASS VII, MATHEMATICS

CHAPTERS	TOPICS
1. INTEGERS	Integers on a number line, absolute value, comparison of integers, addition, subtraction, multiplication and division of integers, properties of integers, order of mathematical operation, using of number line for addition and subtraction.
2. FACTORS AND MULTIPLES	Prime and composite numbers, co-prime numbers, factorization, prime factorization, HCF by prime factorization and division method, LCM by prime factorization method, relation between HCF and LCM.
3. FRACTIONS AND DECIMALS	Fractions, types, comparison, addition, subtraction, multiplication, reciprocal, division, BODMAS rule, introduction to decimals, decimal place value chart, expanded form, like and unlike decimals, comparison of decimals, conversion of decimals, recurring and terminating decimals, rounding off decimals, addition, subtraction, multiplication and division of decimals.
4. INTRODUCTION TO RATIONAL NUMBERS	Numbers and number classification, rational and irrational numbers, positive and negative rational numbers, representation of rational numbers on a umber line, standard form, absolute value, equivalent rational numbers, comparison of rational numbers, addition, subtraction, multiplication and division of rational numbers, decimal representation of rational numbers.
5. POWERS AND ROOTS	Laws of exponents, scientific notation of numbers, converting decimal form to scientific notation and vice versa, square roots(prime factorization and long division), cube roots(prime factorization method).
6. SETS	Basic definitions, representation of sets, cardinal number, types of sets.
7. RATIO AND PROPORTION	Ratio, equivalent ratios, proportion, continued proportion, direct and inverse proportions.
8. UNITARY METHOD AND AVERAGE	Introduction to unitary method, direct variation, time and work, time, speed and distance, average and arithmetic mean.
9. PERCENTAGE AND ITS APPLICATIONS	Inter conversions, evaluate the percentage of a quantity, an amount as a percentage of another amount, application of percentage, profit and loss and its percentage.
10. FUNDAMENTAL CONCEPTS OF ALGEBRA	Basic terminology, types of algebraic expression, substitution.
11. OPERATION ON ALGEBRAIC EXPRESSIONS	Addition and subtraction of monomials and polynomials (horizontal method), simplification of algebraic expression.

12. LINEAR EQUATIONS AND INEQUALITIES	Introduction to equations, linear equations, linear inequalities.
13. LINES AND ANGLES	Basics of geometry, types of lines, angles, transversal.
14. TRIANGLES AND THEIR PROPERTIES	Triangle, classification of triangles, medians and altitudes, properties, Pythagoras theorem.
16. CONSTRUCTIONS	Basic constructions, construction of triangles.
19. MENSURATION	Perimeter and Area of rectangle, square, triangle(Area), parallelogram(Area), circle(Area and Circumference).
20. GRAPHICAL REPRESENTATION OF DATA	Data(Raw and Array), representative values and central tendency, bar graph.
21. PROBABILITY	Chance in daily life, introduction to probability, mathematical calculation of chance or probability

Syllabus for 2022.
Sub- Geography- Classes 7(A,B,C)
Mid - Term

Chapters
1. Topographical sheets (Identificationand learn the symbols, marking and labelling of important features in the map of India.
2. Scale and distance (Entire chapter)
3. Composition and structure of the Atmosphere
4. Green house effect and Global Warming
5. Study of Weather
6. Recording of Weather
7. Europe- Chapter- 12 and 13

Final Term

1. Types of Rocks
2. Weathering of Soil- Definition, Types of Weathering, Definition of important terms in soil, method of soil conservation.
3. Industries- Classification of industries and mineral based-industries
4. Major Industries- (Iron and Steel, Cotton, Sugar)
5. Renewable and Non-Renewable Energy Resources- (Definition of different kinds of energy, hydro electric projects-Bhakra Nangal, Hirakud, Damodar)
6. Africa- Chapter 14 and 15
7. Australia- Chapter 16 and 17
8. Antarctica

ART SYLLABUS FOR THE ACADEMIC YEAR 2022

FOR CLASS 7

At the upper primary level, the themes to be dealt with are:

- Form – Create artwork using different lines, shapes and sizes of the objects in the immediate surroundings/environment both natural and manmade using various mediums.
- Colour- Understanding and using the characteristics of colour – hue, tint, shade.
- Texture- Identifying different surfaces; soft, smooth, hard, rough etc. and incorporating different textures in creating artwork.
- Composition- Draw and paint various compositions on themes such as; landscapes, scenery etc. Nature study and still life.
- Tools and techniques- Use of various brushes, exploring 2-D and 3-D methods and materials, such as; drawing, painting, print making (using vegetables and leaves), collage making, paper craft etc.
- Perspective- Create landscape/cityscape and architecture using age-appropriate perspective skills.
- Art vocabulary- Introduction to significant artists through history and art genres such as; Vincent Van Gogh, Pablo Picasso, Henri Matisse etc.

CRAFT: A total of 4/5 craft making exercises using household items and waste materials.

CLASS 7 SYLLABUS 2022
PHYSICS

	CHAPTERS	TOPICS
1	Physical Quanties and Measurement MID TERM	Measurements - Its importance, basic physical quantities, Fundamental quantities, Derived units (CGS, SI) Measurements of volume (Regular and irregular), measurement of area (Regular and irregular), relationship between m^3 and cm^3, Density (definition, units : SI, CGS, Relationship between kgm^{-3} and gcm^{-3}), Conversion of units, Determination of density of (Regular and irregular) solids, Speed (definition, unit, relationship between kmh^{-1} and ms^{-1}), Numericals based on volume, area, density and speed, Activities.
2	Motion MID TERM	Introduction -Motion and Rest using examples from day to day life , Definition , Relationship between rest and motions, Different types of motion, Mixed motion, Uniform and Non-uniform motion, Average speed, Mass and weight, (differences), Numericals based on avarage speed and weight, Activities
3	Energy MID TERM	Definition of energy, Relationship between workdone, force and distance, relationship between work and energy, Units of energy, Different forms of energy with examples from day-to day life, Two forms of Mechanical energy - Kinetic energy and Potential energy, Conversion of potential energy to kinetic energy, Conversion of one form of energy into another form, Conservation of energy, Energy transformation in producing hydro electricity, Activities
4	Light Energy MID TERM	Reflection of light through a plane mirror, Terms related to reflection of light, Laws of reflection of light, Verification of laws of reflection, Reflection of a ray of light normally incident on a plane mirror, Formation of image by a plane mirror-point object, Object of finite size, Real and Virtual images, Lateral inversion, Characteristics of image formed by a plane mirror, Regular and irregular reflection, Uses of plane mirror, Speed of light, Activities
5	Heat FINAL TERM	Concept of Heat, Heat is a form of energy and its units, Temperature and its measurements, Measuring the temperature of a body using a thermometer, Scales of temperature, Relation between the three scales of temperature, Effects of heat, Thermal expansion in solids, liquids and gases with examples, Three modes of transfer of heat, Conductors, Insulators, Application of insulators and conductors in daily life, Some applications of black and white surfaces, Thermoflask, Numericals, Activities
6	Sound FINAL TERM	Sound as a form of energy, Production of sound, Sources of sound, Sound needs a medium for propagation, Sound travels in air in the form of longitudinal waves, Terms related to waves, Audible sound, Ultrasonic sound, Use of ultrasonic sound by bats, Infrasonic or Subsonic sounds, Characteristics of sound, Estimation of speed of sound in air, Speed of sound in different media, Reflection of sound, Absorption of sound, Numericals, Activities
7	Electricity and Magnetism	The basic law of electromagnetism , Introduction to magnetism, Attractive and Directive property of magnet, Law of magnetism,

	FINAL TERM	Repulsion is the sure test for a magnet, Magnetic fluid, Electro magnet, Principle of electromagnet, Clock rule, Ways of increasing the magnetic field of an electromagnet, Making an electromagnet--I-shape and horse shoe magnet, Uses of electromagnet, Electric base as its construction, working of electric bell, Earth's magnetic declination, Uses of electricity and its sources, Sources of electricity, conductors and insulators, Flow of charge constitutes a current, Symbols and functions of various components of an electric circuit, Direction of a conventional current in a circuit, precautions to be taken before a circuit is formed, Activities.