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Aims & Objectives of Curriculum

English

- To develop and integrate among students the use of four language skills i.e. listening, speaking, reading and writing.
- To use the language affectively and appropriately on topics of everyday life and situation, to appreciate the language as an effective means of communications.
- To understand the use of correct language.
- To develop an interest in appreciation of literature.

History and Civics

- To provide the clear understanding of the functioning of government, that will stimulate the growth of students into an enlightened citizen of their country.
- To enrich the understanding of those aspects of Indian history which are required for understanding of contemporary India.
- To develop an enviable understanding among students about various aspects which have contributed to the development and growth of Indian nation, its civilization and culture.
- To develop a world historical perspective of the contribution made by varied cultures to the total heritage of mankind.

Moral Education

- To develop essential elements of morality in every student.
- To develop the values and capabilities necessary for making right decision and upright conduct.
- Develop an attitude of open mindedness to appreciates and be ready to accept others.
- To develop the skill of striving not only for good but to handle conflicting situations without demeaning self to act constructively not defensive.
- Moral values to promote the development of good character for the purpose of lessening crime and raising the standard of good citizenship.

Bengali/Hindi

- To develop language as an affective means of communication.
- To develop an interest in language and acquire knowledge of the elements of language.

- To understand the basic structural patterns of the language, vocabulary and constructions.

Geography

- To develop the understanding of the terms, concepts and principles related to geography.
- To explain the cause- effect relationship of natural phenomena.
- To know the availability of natural resources, understand their uses and methods of conservations.
- To understand the use of natural resources and development of the regions by mankind.

Mathematics

- To acquire the knowledge and understanding the terms, symbols, concepts, principles, theorems, etc. of mathematics.
- To develop skills to apply mathematical concepts and promote their applications to further studies in mathematics and science.
- To develop skills to apply mathematical knowledge to solve real life problems.
- To develop interest in mathematics, drawing skills, skills of reading tables, charts and graphs.

Physics

- To acquire knowledge of terms, concepts, definitions, laws, principles and processes of physics.
- To develop instrumental, communications and problem-solving skills.
- To relate theoretical aspects with practical knowledge and develop a better understanding.
- Discover the growth of physics in our daily life activity.

Chemistry

- To acquire knowledge of terms, concepts, processes, techniques and principals related to the subject.
- To develop scientific temper, attitude and problem solving skills.
- To develop the ability to apply the knowledge of contents of chemistry in unfamiliar situation.

Biology

- To develop an understanding of the interrelationship between sustainability and environmental adaptation.
- To develop an understanding of the interdependence of plants and animals, so as to enable pupils to acquire a clearer comprehensive knowledge.
- To understand the capacities and limitations of all the biological activities of man so as to be able to use it for a better quality of life.

Economics Application

- To acquire the knowledge of terms, facts, concepts, principles, trends, assumption, etc.
- To develop familiarity with the basic terminology and elementary ideas of Economics
- To acquire knowledge of contemporary economic problems and to appreciate the efforts being made to solve these problems.
- To develop an understanding of the nations physical and human resources to avoid their misuse.
- To acquire skills in interpreting simple statistical data.

Computer Application

- To enable candidates to understand ethical issues related to the field of computers.
- To develop an understanding of basic programming concepts and structures.
- To apply the programming concepts in finding the solution to real life situations by building their own applications.

Computer

UNIT:

Sl No	Content	Concept
1	Conditional Constructs in java*(chp-7)*	If-else, Switch case
2	Iterative Constructs in java*(chp-8)*	For,While and Do-while loops
3	Nested Loops*(chp-9)*	Pattern Programs,Break and Continue
4	Class as the basis of all computation*(chp-10)*	Access Specifiers ,data members,member methods,'This' Keyword,Object as instance of class
5	Constructors*(chp-12)*	Parameterized and Non-Parameterized,Constructor Overloading

TERMINAL:

Sl No	Content	Concept
1	Array*(chp-15)*	Types and length of array,1D and 2D array,Different operations on array,Searching and Sorting.
2	String Handling in java*(chp-16)*	Methods of String class,Stringarray,How string is stored in memory
3	Iterative Constructs in java*(chp-8)*	For-While and Do-while loops
4	Nested Loops*(chp-9)*	Pattern Programs,Break and Continue
5	Mathematical Library Methods*(chp-6)*	Methods of Math Class
6	Operators in java*(chp-4)*	Types and hierarchy in java,Special operators and Associatiivity of operators
7	Constructors*(chp-12)*	Parameterized and Non-Parameterized,Constructor Overloading
8	User Defined Methods*(chp-11)*	Ways to invoke method,Function-overloading,Pure and Impure methods
9	Elementary Concepts of objects and classes*(chp-2)*	Properties of class and object
10	Values and Types*(chp-3)*	Character set in java,Datatypes in java,Type Conversion

Selection Test- FULL BOOK

PROJECT: 20 Programs on JAVA

PROJECT: Programs on JAVA

Practical Programs:

1. Create a class computer with following specifications:

Data Members

String Model_name	:	Enter Model Name
doubleorg_price	:	Original Price
doubleinc_amount	:	Increased price
double total	:	Total price after increase

Methods

Compute()	:	Non-parameterised constructor
Compute(String mn, double op, double ia)	:	Initializes name, original price
voidcal_price	:	The price is increased according to the Following criteria.

Original Price	:	**Rate of increase on original price**
UptoRs. 20,000	:	2.5%
Rs. 20,001 to Rs. 30,000	:	2.7%
Rs. 30,001 to Rs. 40,000	:	4.0%
More than Rs. 40,000	:	6.0%

Then calculate the total increased price.

void display	:	Prints the data member in the following format

Model Name	*Original price*	*Increased amount*	*Total*
………………..	………………..	………………………	……..

2. A computerized bus charges fare from each passenger based on the distance travelled as per the tariff given below:

Distance in Km.	:	**Rate per Km.**
First 10 Km.	:	Rs. 5.00
Next 20 Km.	:	Rs. 7.50
Next 10 Km	:	Rs. 10.00
Above 50 Km.	:	Rs. 15.00

Design a class with the following specifications to solve the above problem

Class name	:	fare

Data Members

int dis	:	distance travelled
double bill	:	stores the bill amount

Method

fare()	:	Constructor to initialize
fare(int d)	:	Initializes dis with d
void calculate()	:	Calculates the total bill amount on the above criterion.
void display()	:	Print the data members.

3. Accept item name and price in the single dimension array and calculate the total amount to be paid by the customer. Display the following:

Item name	**Price**
…………..	…….
…………..	…….

4. The annual examination results of 50 students in a class is tabulated as follows:

Roll No	Subject A	Subject B	Subject C
……….	…………..	………….	…………..
……….	…………..	………….	…………..
……….	…………..	………….	…………..

Write a program to read the data, calculate and display the following:

i) Average marks obtained by each student

ii) Print the Roll No. and the average marks of the students whose average marks are above 80

iii) Print the Roll No. and the average marks of the students whose average marks are below 40

5. Program on Searching – Linear Search and Binary Search.

6. Program on Sorting – Selection sorting and Bubble sorting.

7. Write a program in java to input a string and print the largest word in the string.

8. Write a program to input a string and print the smallest word in the string.

9. Write a program to input a word and print the ASCII value of each character of the word.

Input:-	:	ABCDE
Output	:	A = 65
		B = 66
		C = 67
		D = 68
		E = 69

10. Write a program to input a string and convert to uppercase and print the frequency of each letter in the string:

Input	:	India	New	Delhi
Output	:	INDIA	NEW	DELHI

Character	:	**Frequency**
A	:	1
D	:	2
E	:	2
H	:	1
I	:	3
L	:	1
N	:	2
W	:	1

11. Write a program to input a word and replace all vowels in the word with the next character alphabetically.

Input	:	Kolkata
Output	:	Kplkbtb

12. Write a program to input a sentence and print the repeated words in the sentence.

Input	:	NEXT TIME THERE WON'T BE A NEXT TIME
Output	:	The repeated words are – NEXT, TIME

13. Write a program to accept 5 names and marks of students in two single dimensional array and print the following in alphabetical order using selection sort technique.

14. Write a program in java to enter a string and create a word by joining all the first characters of each word and display the new word.

Input	:	Vital Information Resource Under Seize
Output	:	V I R U S

15. Write a menu driven program using overloading method, word() to do the following:

   i) String word(String w) – Reverses the word and returns the reversed word

   ii) int word(String w) – Returns the number of vowels present in the word

16. Define a class School_Library with the following data members and methods.

Class name	:	School Library

Data Members:

String name	:	Book Name
Intday_late	:	No. of days late
Double fine	:	fine amount to be paid

Methods

Void accept ()	:	Accept the name and the No. of days late
Void calculate()	:	Calculates the fine according to the following:

Days Late	:	Fine
First 5 days	:	Rs. 5 per day
Next 10 days	:	Rs. 7 per day
Next 15 days	:	Rs. 10 per day
More than 30 days:		Rs. 15 per day

Void display ()   :   Prints the details according to the following format

Name of Book	Number of Days Late	Total Fine
………………...	……………………………	…………..
…………………	……………………………	…………..

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ENGLISH LANGUAGE

UNIT EXAM:		
SL NO.	**CHAPTERS**	**CONTENTS**
1.	Letter Writing	
2.	Grammar Skills (Do as Directed; Prepositions)	
3.	Notice Writing	
4.	Email Writing	
5.	Grammar Skills (Connectors, tenses, prepositions)	
TERMINAL EXAM:		
SL NO.	**CHAPTERS**	**CONTENTS**
1.	Essay Writing	
2.	Letter Writing	
3.	Notice and Email Writing	
4.	Comprehension	
5.	Grammar Skills	
	Tenses	
	Appropriate Words	
	Connectors	
	Do as Directed	
FINAL EXAM:		
SL NO.	**CHAPTERS**	**CONTENTS**
1.	Essay Writing	
2	Letter Writing	
3.	Notice and Email Writing	
4.	Comprehension	
5.	Grammar Skills	
	Tenses	
	Appropriate Words	
	Connectors	
	Do as Directed	

ENGLISH LITERATURE

UNIT:

SL NO.	CHAPTERS	CONCEPTS
1.		
2.		
3.		
4.		

TERMINAL:

SL NO.	CHAPTERS	CONCEPTS
1.		
2.		
3.		
4.		
	Project- The Merchant of Venice	

FINAL:

SL NO.	CHAPTERS	CONCEPTS
1.		
2.		
3.		
4.		
5.		
6.		
7.		

Biology

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Genetics	Three laws of Mendel, Monohybrid & dihybrid cross, related terms, sex determination in humans , sex-linked inheritance of diseases
2.	Transpiration	Details idea of transpiration with experiments, mechanism of stomatal transpiration, adaptation in plants, Guttation & bleeding
3.	Chemical Coordination in plants	General study of plant growth regulators, physiological effects of different plant hormone, different types of movements
4.	The Reproductive system	Details of both male & female reproductive system in humans, related terms, sex-hormones
5.	Endocrine system	Details study of different endocrine glands
	Project- GENETICS (Terminal + ICSE)	

PRACTICAL:

1. To study the different stages of mitosis through permanent slides
2. Diffusion in liquid by using potassium permanganate crystals
3. To study osmosis (potato)
4. Transpiration / Rate of transpiration
5. Photosynthesis
6. Study of human urinary system (chart/model)
7. Study the structure of human heart (chart/model)
8. Study structure of human brain (chart/model)
9. Identification of different types of blood cells (human)
10. Study the structure of human eye (chart/model)
11. Study the structure of human ear (chart/model)

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Respiration in Plants(IX)	Outline of the process, gaseous exchange, Glycolysis & Krebs cycle, aerobic & anaerobic respiration
2.	Economic Importance of Bacteria and Fungi (IX)	Useful and harmful role of bacteria & fungi
3.	Digestive system(IX)	Details of teeth, organs ; digestive glands and all details related to digestive system

4.	Skin(IX)	Structure and function of various parts of skin, sweat & sebaceous gland, hair, nails & mammary gland, heat regulation
5.	Structure of Chromosome, cell cycle and cell division (X)	Different phases of cell cycle, details of mitosis, meiosis & chromosomes
6.	The Excretory system (X)	Different excretory organs, external & internal structure of the kidney, details of urinary system, brief idea of ultra-filtration
	Project- RESPIRATION IN PLANTS	

PRACTICAL:

1. To examine plant cell (onion peel)
2. Identify various parts of flower (Hibiscus sp.)
3. Structure of germinating seeds
4. Human cheek cell (study various components of cells
5. To test the presence of starch
6. Identify specimens belonging to different groups of animals
7. Study different types of movable joints in human beings (chart/ model)
8. Study of human lungs (chart/model)
9. Study of structure of skin (chart/model)

MATH

UNIT1:		
SL. NO.	**CONTENT**	**CONCEPTS**
1.	GST	Calculating GST for any kind of transactions.
2.	Quadratic equation in one variable.	Solving Quadratic equation of one variable by factorizing the given expression.
3.	Arithmetic and geometric Progression	Find relations between terms of a series of numbers, then finding different terms and sum of them.
4.	Reflection	Finding the co-ordinates of a given point, reflected on axes or line parallel to axes.
5.	Section Formula	Formula to obtain the co-ordinates of a point that intersect a line segment joining two points in a certain ratio internally or externally.
6.	Circle(Ex- 15.1 & 15.2)	Learning properties of circle and solving problems related to circles.
7.	Trigonometric Identities.	Identities of trigonometric ratios, converting from one ratio to another using identities, values of some special angles and complementary angles
TERMINAL:		
SL. NO.	**CONTENT**	**CONCEPTS**
1.	Shares and Dividends	Concept of Share price, face value, dividend, return and calculating profits /losses in total.
2.	Factorization	Introduction of factor theorem and remainder theorem and solving problems related to these theorem.
3.	Matrices	Introduction to Matrix, Operation on matrices.
4.	Equation of a straight line	Deriving equation of straight line from given data, calculating slope, angle of inclination etc from a given equation.
5.	Similarity	Obtaining similarity between two triangles and applying different properties of similarity.
6.	Circle	Learning properties of circle and solving problems related to circles.
7.	Construction & Locus	Constructing Certain points or lines moving around according to given condition and some construction regarding circles.
8.	Height & Distance	Problem sums regarding Trigonometric ratios and identities.
9.	Measures of central tendency.	Calculating mean of given data using different methods; Calculating median and mode. Drawing histogram, frequency polygon and Ogive.
	Project: Equation of Straight line/	

	Measures of Central tendency.	

Physics

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Sound	Reflection of sound waves , echoes and their uses.
2.	Refraction through a lens	Lenses, its characteristics and uses.
3.	Electric current	Ohm's law , Concepts of e.m.f, resistance, electrical power and energy.
4.	Force	Turning forces concept, centre of gravity.

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Spectrum	Using glass prism to produce spectrum, scattering of light.
2.	Refraction of light at plain surface	Refraction through glass block and triangular prism.
3.	Electromagnetism	Magnetic effect of current , electromagnetic induction , transformer.
4.	Machines	Machines as a force multiplier and pulley system
5.	Radioactivity	Radioactivity and changes in nucleus , nuclear fission and fusion.
	Project: Electric current.	

Selection Test- Full Book

PRACTICAL

1. Determine the weight of an object by using metre scale.
2. Refraction through a glass slab.
3. Refraction of light through prism.
4. Measure the angle of deviation for angle A = 60°
5. Verify Ohm's law.
6. Determine the specific latent heat of ice.

Chemistry

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Chemical bonding	Chemical reactivity, electron dot structure, octet rule, atomes and molecules, oxidation and reduction, electrovalent compounds, covalent compounds, Effect of electricity on them, polar and non polar covalent bonds.
2.	Study of compound - HCL	Preparation of HCl, Different tests for hydrogen chloride and hydrochloric acid, to show that HCl is heavier than air.
3.	Study of compound - NH3	Occurance, different forms of ammonia, general method of preparing ammonia, lab preparation of ammonia from ammonium chloride, Haber's process, properties.
4.	Metallurgy	Classification of elements, position of metals, Different methods of extracting metals from ores, extraction of metals based on their position in activity series.

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Acid, Base and Salt	Properties of acids, bases and salts, their classifications, knowing some special type of reactions, special type of substances.
2.	Mole concept and Stoichiometry	The Gay-Lussac's law of combining volumes, Avogadro's law, atomic mass and relative atomic mass, molecular mass and relative molecular mass, formula mass, gram atomic mass and gram molecular mass.
3.	Study of compound- HNO3	Preparation of nitric acid, oxidation of nitric acid with some compounds, metals and non-metals
4.	Study of compound – H2SO4	Occurance, preparation of sulphuric acid, physical and chemical properties of sulphuric acid, some test for sulphuric acid and sulphates.
5.	Organic chemistry	Organic compounds, unique nature of carbon, structure and isomerism, functional groups, homologous series, nomenclature according to IUPAC rule, some organic compounds and their properties, structure.

Selection Test- Full Book

PRACTICALS: -

1) Identification of Gases by different methods.
2) Inorganic Qualitative Analysis.
3) Action of Ammonium Hydroxide and Sodium Hydroxide on Metallic salts.
4) Distinguishing between CuO and Manganese dioxide with the help of conc. HCL.
5) Determination of Acidic solution and Alkaline solution.

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Geography

SL. NO.	CONTENT	CONCEPTS
UNIT1:		
1.	Interpretation of Topographical map	Concept. Read top map. Analysis.
2.	Contours	Identification of different shapes of contours and understanding different landforms.
3.	Map of India Mountains, desert, rivers, passes, latitude, longitudes, direction of winds, population	Identifying these features on map & labelled them
4.	Climate	Factors determining the climate of India. Different seasons. Nature of Monsoon. Distribution of rainfall.
5.	Soil Resources	Definition. Distribution of soil. Soil erosion & preventive measures.
6.	Agriculture I, II, III, IV	Definition. Types of crops. Regional distribution of different crops.

SL. NO.	CONTENT	CONCEPTS
TERMINAL:		
1.	Scale & direction	Different types of scale & direction places on map.
2.	Map reading & interpretation	Reading & understanding of topo map. Identification of different features & understanding.
3.	Map of India Plains, water bodies, minerals, soil distribution, cities	Identifying these features on map & labelled them.
4.	Natural Vegetation	Definition. Different types with location & examples.
5.	Water Resources	Concept. Different types. Water conservation policies. Water harvesting management.
6.	Mineral Resources	Concept, types, distribution with examples.

7.	Conventional sources of energy	Concept, classification & examples.
8.	Non conventional energy sources	Concept, classification & examples.
9.	Manufacturing industries	Definition, favorable factors, distribution, different methods.
10.	Mineral based industries	Concept of minerals, types, manufacturing process, location & conservation
11.	Transport	Meaning, different modes, advantages & disadvantages. Future aspect.
12.	Waste management I & II	Definition. Types with examples. Impacts on environment. Different methods to manage waste product.
	Project work:- Railway Transport the Life Line of India	

Selection Test- Full Book

History

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Growth of Nationalism	
2.	Early Nationalist	
3.	Partition of Bengal and Other Developments	
4.	Muslim League and its Objectives	
5.	The Union Parliament	

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	National Movement During the First World War	
2.	National Movement (1919 – 1934)	
3.	The Cripps Mission	
4.	Subhash Chandra Bose	
5.	Independence and Partition of India	
6.	The Union Executive – Chapter 2 & 3	
	Project- Partition of Bengal and road to freedom	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	The Contemporary World Full	
2.	Judiciary – Chapter 4, 5 & 6	
3.	The Whole of The Syllabus	

Selection Test- Full Book

2nd Language – Bengali

UNIT1:		
SL. NO.	**CONTENT**	**CONCEPTS**
1.	গন্ধটা খুব সন্দেহজনক -	লেখকের দাদুর তার পরিবার নিয়ে বদলি হয়ে দোহোমনিতে যাওয়া ও সেখানে তাদের সাথেই ঘটে যাওয়া ঘটনা নিয়ে লেখা গল্প।
2.	লোকটি -	আজহারউদ্দিন ও এক ব্যাক্তির থেকে পাওয়া হীরে নিয়ে লেখা গল্প।
3.	গিন্নি (গল্প)	-স্কুলের এক শান্ত ছেলের সাথে ঘটে যাওয়া ঘটনাগুলো ও তার স্বভাব নিয়ে লেখা গল্প।
4.	ক্যানভাসার -(গল্প)	হীরালাল ও ভৈরবের মাজন বিক্রির মজার ঘটনা।
5.	বাম -(গল্প)	গ্রামের এক সাহসী নারী বামার গল্প।
6.	বাবু বলেন -	এক আরাম আয়েশ করা বাবুর বার্থ জীবন যাপন করা নিয়ে লেখা কবিতা।
7.	খো খো	-একটি ছেলের খো খো খেলুক নিয়ে লেখা কবিতা।
8.	আবার আসিব ফিরে - (কবিতা)	কবির তার জন্মভূমির প্রতি টান ও বারবার ফিরে আসার ইচ্ছে নিয়ে লেখা কবিতা।
9.	রবীন্দ্রনাথের প্রতি -	দুর্দিনে রবীন্দ্রনাথ কে স্মরণ করে লেখা কবিতা।
10.	বঙ্গভূমির প্রতি - (কবিতা)	বঙ্গমাতার প্রতি কবির ভালোবাসা,শ্রদ্ধা নিয়ে লেখা কবিতা।
11.	বাচ্য পরিবর্তন -(ব্যাকরণ)	কর্তা, কর্ম,এবং ক্রিয়ার ভাবকে পরিবর্তন করা ও বাকেকে প্রয়োগ করা শেখায়।
12.	অশুদ্ধি শোধন -(ব্যাকরণ)	বাক্যের মধ্যে থাকা ভুল বানান
13.	এক কথায় প্রকাশ - (ব্যাকরণ)	একটি কথায় শব্দের প্রকাশ বা সংকোচন
14.	সাধু ও চলিত (ব্যাকরণ)	সাধু ভাষা ও চলিত ভাষা পরিবর্তন করার নিয়ম ও উদাহরণ।
15.	বিপরীত শব্দ -(ব্যাকরণ)	একটি শব্দের উল্টা মানে কি সেই সম্বন্ধে জানা
16.	বোধ পরীক্ষণ -(ব্যাকরণ)	কোনো পরিচ্ছেদ পরে তার সম্পর্কে প্রশ্ন উত্তর লিখতে সমর্থ হতে পারা।
17.	পত্র লিখন -(ব্যাকরণ)	পত্র রচনার নিয়মাবলী শিখিয়ে পত্ররচনার দক্ষতাকে যাচাই করা।
18.	অনুচ্ছেদ (ব্যাকরণ)	শিক্ষার্থীর লিখন দক্ষতা যাচাই করা এবং বিভিন্ন বিষয় সম্পর্কে ধারণা হওয়া
19.	চিত্র লিখন - (ব্যাকরণ)	শিক্ষার্থীর ভাবশক্তির দক্ষতা যাচাই করা যায়
20.	বিরামচিহ্ন - (ব্যাকরণ)	ছেদ যতি চিহ্নের সঠিক ব্যবহার।

TERMINAL:

SL. NO.	CONTENT	CONCEPTS
1.	সভ্যতার প্রতি (কবিতা)	-নগরকে নিয়ে প্রকৃতিকে ফিরিয়ে দেওয়ার করুন আবেদন নিয়ে লেখা কবিতা।
2.	নাম -(গল্প)	এক লোকের তার মার জন্য টান ও বৃদ্ধার সাথে তার মাতৃসুলভ সম্পর্ক নিয়ে গল্প
3.	লালু- (গল্প)	এক দুষ্ট ছেলের দুষ্টমির গল্প।
4.	সিঁড়ি (কবিতা)	অবহেলিত বাড়ির সিঁড়ি নিয়ে লেখা কবিতা।
5.	অসহযোগী-	দুষ্ট ছেলে রমেনের বিপ্লবী হয়ে ওঠার গল্প।
6.	দেবতার জন্ম -	এক বিজ্ঞান মানসিকতায় বিশ্বাসী মানুষের কুসংস্কারী হয়ে ওঠার গল্প।
7.	নীল মানুষের কাহিনী -	রণজয়ের নীল মানুষ হয়ে যাওয়ার পর কি হয়েছিল সেই নিয়ে লেখা গল্প।
8.	অমলকান্তি -	কবির বন্ধু যে রোদ্দুর হতে চেয়েছিলো কিন্তু শেষ পরিণতি কি হয়েছিল সেই নিয়ে লেখা কবিতা।
9.	কুলি মজুর - (কবিতা)	চিরকাল ধরে অত্যাচারিত হয়ে আসা শ্রমিক শ্রেণীকে নিয়ে লেখা কবিতা।
10.	ফুল ফুটুক না ফুটুক -	বসন্তের আগমন,প্রাকৃতিক সৌন্দর্য নিয়ে লেখা কবিতা।
11.	সমোচ্চারিত ভিন্নার্থক শব্দ -(ব্যাকরণ)	একই শব্দের ভিন্ন অর্থ সম্পর্কে শেখা।
12.	বাক্য পরিবর্তন -(ব্যাকরণ)	বাক্য পরিবর্তন করার নিয়ম ও তার শ্রেণীবিভাগ এবং বিভিন্ন ক্ষেত্রে প্রয়োগ।
13.	উপসর্গ ও অনুসর্গ -(ব্যাকরণ)	কোনটি কোথায় বসে,কি কাজ এইসব শেখায়।
14.	সমার্থক শব্দ -(ব্যাকরণ)	একই শব্দের অনেকগুলো মানে শেখা।
15.	উক্তি পরিবর্তন (ব্যাকরণ)-	প্রতক্ষ ও পরোক্ষ ভাবে উক্তি পতিবর্তন করার নিয়ম
16.	বাগধারা ও প্রবাদ -	প্রাচীনকাল থেকে চলে আসা কিছু প্রবাদ ও বাগধারা ।
17.	বোধ পরীক্ষণ -	কোনো পরিচ্ছেদ পরে তার সম্পর্কে প্রশ্ন উত্তর লিখতে সমর্থ হতে পারা।
18.	পত্র লিখন -	পত্র রচনার নিয়মাবলী শিখিয়ে পত্ররচনার দক্ষতাকে যাচাই করা।
19.	অনুচ্ছেদ	শিক্ষার্থীর লিখন দক্ষতা যাচাই করা এবং বিভিন্ন বিষয় সম্পর্কে ধারণা হওয়া
20.	চিত্র লিখন -	শিক্ষার্থীর ভাবশক্তির দক্ষতা যাচাই করা যায়
21.	প্রকল্প:- কুলি মজুর - (কবিতা)	

11.	বিপরীত শব্দ -	একটি শব্দের উল্টো মানে কি সেই সম্বন্ধে জানা
12.	বোধ পরীক্ষণ -	কোনো পরিচ্ছেদ পরে তার সম্পর্কে প্রশ্ন উত্তর লিখতে সমর্থ হতে পারা।
13.	পত্র লিখন -	পত্র রচনার নিয়মাবলী শিখিয়ে পত্ররচনার দক্ষতাকে যাচাই করা।
14.	অনুচ্ছেদ	শিক্ষার্থীর লিখন দক্ষতা যাচাই করা এবং বিভিন্ন বিষয় সম্পর্কে ধারণা হওয়া
15.	চিত্র লিখন -	শিক্ষার্থীর ভাবশক্তির দক্ষতা যাচাই করা যায়
16.	প্রকল্প:- দেবতার জন্ম	

2nd Language – Hindi

UNIT:		
SL. NO.	**CONTENT**	**CONCEPTS**
1.	कहानी- काकी	बच्चे का जीवन माँके इर्द-गिर्द घूमती रहती है
2.	कहानी- अपना अपना भाग्य काकी	जीवन कुछ हद तक भाग्य पर निर्भर करता है
3.	कहानी- महायज्ञ का पुरस्कार	जीव सेवा ही सबसे बड़ा धर्म है
4.	कहानी- बड़े घर की बेटी	अच्छे संस्कार , गुण और अच्छे व्यवहार का सीख
5.	कविता- साक्षी	व्यावहारिक ज्ञान
6.	कविता- गिरधर की कुंडलियां	व्यावहारिक ज्ञान
7.	कविता- भिक्षुक	देश के कमजोर वर्ग के लिए आवाज बनना
8.	कविता- मातृ मंदिर की ओर	देश के असफल सैनिकों को प्रेरित करने की सीख देश मातृका से प्रेम
9.	व्याकरण- विपरीत शब्द	उल्टे शब्द की जानकारी
10.	अनेक शब्दों के लिए एक शब्द	वाक्यांश को संकुचित करना
11.	भाववाचक संज्ञा	भाववाचक संज्ञा में बदलाव
12.	वर्तनी	अशुद्ध वर्तनी को शुद्ध करने का नियम
		समान अर्थ वाले शब्द की जानकारी
	मुहावरे	का अर्थ तथा प्रयोग
	अशुद्धि शोधन	पद, लिंग वचन,कारक संबंधी गलतियों को दूर करने का ज्ञान
	वाक्यांतर	वाक्यांश के भेद तथा निर्देशानुसार वाक्य में बदलाव
	अपठित गद्यांश	गद्यांश को पढ़कर प्रश्नों का उत्तर
	औपचारिक पत्र	व्यावसायिक पत्र लिखने का ढंग
	अनौपचारिक पत्र	व्यक्तिगत पत्र लिखने झं का ढंग

TERMINAL:		
SL. NO.	**CONTENT**	**CONCEPTS**
1.	कहानी- भीड़ में खोया आदमी	बढ़ती जनसंख्या एक आधारभूत समस्या है
2.	कहानी- दो कलाकार	आपसी मतभेद के बावजूद सामाजिक विकास का हिस्सा बनना
3.	कहानी- बात ठननी की	रिश्वतखोरी एक सामाजिक भ्रष्टाचार है।
4.	कहानी- संदेह	संदेह व्यक्तिक विकास में बाधक
5.	कहानी- भेड़ और भेड़िया	देश के शासक वर्ग पर करारा व्यंग
6.	कहानी- नेता जी का चश्मा	राष्ट्रप्रेम की परिभाषा
7.	कविता- मेघ आए	बरसात आने की खुशी से वातावरण में आए बदलाव

8.	कविता- जन्मभूमि	देश का विस्तार और देशप्रेम की जानकारी
9.	कविता- स्वर्ग बना सकते हैं	धरती से बुराईयों को दूर कर अच्छाई भर देना
10.	कविता- सुर के पद	सूरदास के अनन्य भक्ति का प्रदर्शन
11.	कविता- विनय के पद	ईश्वर के प्रति अटूट विश्वास ही मुक्ति का मार्ग है।
12.	कविता- चलना हमारा काम है इस	जीवन के गति का सही प्रयोग
13.	व्याकरण- विपरीत शब्द	उल्टा अर्थ रखने वाले शब्द की जानकारी
	अनेक शब्द के लिए एक शब्द	वाक्यांश को संक्षिप्त करना
	भाववाचक संज्ञा	भाववाचक संख्या क्या है तथा उसमें बदलाव
	वर्तनी	वर्तनी संबंधी अशुद्धियों तथा उसे दूर करते संबंधी नियम
	पर्यायवाची शब्द	सामान्य अर्थ वाले शब्दों के जानकारी
	मुहावरे	अर्थ तथा प्रयोग
	अशुद्धि शोधन	पद वर्तनी लिंक वचन कार्य संबंधीगलतियों को दूर करना
	वाक्यांतर	वाक्य के भेद तथा निर्देशानुसार उसमें बदलाव
	अपठित गद्यांश	गद्यांश को पढ़ कर अपने शब्दों में उत्तर
	औपचारिक पत्र	औपचारिक पत्री लिखने का ढंग
	अनौपचारिक पत्र	अनौपचारिक पत्र लिखने का ढंग
	निबंध	
	परियोजना	क)जनसंख्या वृद्धि के कारण तथा से दूर करने का उपाय ख)दो कलाकार कहानी कहाँ तक सार्थक है इस संबंध में अपना विचार व्यक्त करें।

ECONOMICS

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Demand: Law of demand & determinants of demand.	Concept. Law of demand. Different types of point of view regarding demand.
2.	Supply: Law of supply & determinants of supply.	Concept. Law of supply. Different types of point of view regarding supply.
3.	Factors of production: Land & Labour.	Role of land & labour as an determinants of production.
4.	Banking: Commercial banks & central bank.	Concept. Different types of commercial banks, their function. Concept of central bank & its function.

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Concept. Different types of commercial banks, their function. Concept of central bank & its function.	Concept. Different factors of elasticity of demand& supply. Their functions.
2.	Factors of production: Capital and Entrepreneur.	Role of capital & entrepreneur to determine the production.
3.	Forms of market structure: Basic Concepts.	Types of market ang their functions.
4.	The Role of State in Economic Development.	Condition of economic status of different states . Different policies taken . Future planning for the changing condition of economic status.
5.	Public sector enterprises & their privatization.	Concept. Function of public sector. Present changes in public sector & converting into private sector.
6.	Money & inflation.	Meaning. Factors for influencing inflation and its impact on economy.
	Project work:- Structure of the Indian Banking System	