

# St. Stephen's School Birati

Syllabus 2025-26

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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 appreciate 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.

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### 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

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- 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.

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### Computer

#### UNIT1:

SI No	Content	Concept
1	Conditional Constructs in java( <i>chp-7</i> )	If-else, Switch case
2	Class as the basis of all computation( <i>chp-10</i> )	Access Specifiers ,data members,member methods, 'This' Keyword, Object as instance of class
3	User Defined Methods( <i>chp-11</i> )	Ways to invoke method, Function-overloading, Pure and Impure methods
UNIT2:		
1	Constructors( <i>chp-12</i> )	Parameterized and Non-Parameterized, Constructor Overloading
2	String Handling in java( <i>chp-16</i> ) <b>UPTO PAGE-373</b>	Methods of String class, Stringarray, How string is stored in memory
3	Operators in java( <i>chp-4</i> )	Types and hierarchy in java, Special operators and Associativity of operators

#### TERMINAL:

SI No	Content	Concept
1	Array( <i>chp-15</i> )	Types and length of array, 1D and 2D array, Different operations on array, Searching and Sorting.
2	String Handling in java( <i>chp-16</i> )	Methods of String class, Stringarray, How string is stored in memory
3	Iterative Constructs in java( <i>chp-8</i> )	For-While and Do-while loops
4	Nested Loops( <i>chp-9</i> )	Pattern Programs, Break and Continue
5	Mathematical Library Methods( <i>chp-6</i> )	Methods of Math Class
6	Operators in java( <i>chp-4</i> )	Types and hierarchy in java, Special operators and Associativity of operators
7	Elementary Concepts of objects and classes( <i>chp-2</i> )	Properties of class and object
8	Values and Types( <i>chp-3</i> )	Character set in java, Datatypes in java, Type Conversion
9	Introduction to object oriented programming( <i>chp-1</i> )	Programming Paradigms-POP and OOP, Features of OOP

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### Selection Test- FULL BOOK

PROJECT: 20 Programs on JAVA

### Practical Programs:

1. Create a class computer with following specifications:

#### Data Members

String Model\_name : Enter Model Name  
double org\_price : Original Price  
double inc\_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  
void cal\_price : The price is increased according to the following criteria.

**Original Price** : **Rate of increase on original price**  
Upto Rs. 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

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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. Write a program to create an array of size 4x3 and accept number. Calculate and display the sum of each row and the product of each column.

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:

- Average marks obtained by each student
- Print the Roll No. and the average marks of the students whose average marks are above 80
- 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. Programs on 2D array -Sum of the left and right diagonals, Transpose of array elements, Pascal Triangle

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

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

10. 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

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

<b>Input</b>	:	India New Delhi
<b>Output</b>	:	INDIA NEW DELHI
<b>Character</b>	:	<b>Frequency</b>
A	:	1
D	:	2
E	:	2
H	:	1
I	:	3
L	:	1
N	:	2
W	:	1

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

<b>Input</b>	:	Kolkata
<b>Output</b>	:	Kplkbtb

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

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

14. 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.

15. 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.

<b>Input</b>	:	Vital Information Resource Under Seize
<b>Output</b>	:	V I R U S

16. 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

17. Define a class School\_Library with the following data members and methods.

Class name	:	School Library
<b>Data Members:</b>		
String name	:	Book Name
Intday_late	:	No. of days late
Double fine	:	fine amount to be paid
<b>Methods</b>		



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

<u>Days Late</u>	:	<u>Fine</u>
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

<u>Name of Book</u>	<u>Number of Days Late</u>	<u>Total Fine</u>
.....	.....	.....
.....	.....	.....

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### ENGLISH LANGUAGE

UNIT1:		
SL NO.	CHAPTERS	CONTENTS
1.	Notice writing	Writing Skill
2.	Email writing	Writing Skill
3.	Fill in with appropriate words	Number of sentences
4.	Do as Directed	Number of sentences
UNIT2:		
1.	Letter Writing	Writing Skill
2.	Tense	Passage
3.	Connectors	Number of sentences
4.	Appropriate Words	Number of sentences
TERMINAL EXAM:		
SL NO.	CHAPTERS	CONTENTS
1.	Essay writing	Descriptive, narrative, argumentative, short story writing, picture composition
2.	Letter Writing	Formal and informal
3.	Notice	Formal informal
4.	Email	Formal and informal
5.	Comprehension	Reading the passage
6.	Use of correct tense	Passage with correct tense
7.	Fill in with appropriate words	No. of sentences
8.	Connectors	No. of sentences
9.	Do as Directed	No. of sentences

**FINAL EXAMINATION (Selection TEST) THE WHOLE SYLLABUS**

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### ENGLISH LITERATURE

#### UNIT1:

SL NO.	CHAPTERS	CONCEPTS
1.	Haunted House	John rents a house with his sister
2.	Julius Caesar	ACT III Scene I
3.	The Pedestrian	Describes one night in the life of the Leonard Mead
<b>UNIT2:</b>		
1.	When Great Trees fall	The loss and feeling of not having important ones
2.	The Girl who Can	A Young seven year old girl
3.	Julius Caesar	ACT III Scene II & III

#### TERMINAL:

SL NO.	CHAPTERS	CONCEPTS
1.	The Power of Music	The disadvantages of poor music
2.	The Gloves and the Lions	Describes the dangerous game of love
3.	The Last Lesson	Nationalism for one's own country
4.	The Elevator	Insecurity and fearfulness
5.	Julius Ceasar	Act V SCENE IV AND V
	<b>Project- Julius Caesar</b>	

**FINAL EXAMINATION (Selection TEST) THE WHOLE SYLLABUS**

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### 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
UNIT2:		
1.	Chemical Coordination in plants	General study of plant growth regulators, physiological effects of different plant hormone, different types of movements
2.	The Nervous system	Structure of neuron, central, autonomous and peripheral nervous system, brain and spinal cord, reflex action and others

Terminal:		
SL. NO.	CONTENT	CONCEPTS
1.	Photosynthesis	Detailed idea about photosynthesis; focus on different reactions etc.
2.	The Circulatory System	Structure & function of heart, blood circulation and details related to circulatory system
3.	Sense Organ	Eye- structure and functions, defects and corrective measures; Ear- parts and functions
4.	The Reproductive system	Details of both male & female reproductive system in humans, related terms, sex-hormones
	<b>Project- POPULATION</b>	

#### SELECTION TEST: - FULL BOOK

PROJECT- POPULATION (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)

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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)

### MATH

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Linear Equation	REVISION
2.	Ratio and Proportion	REVISION
3.	Quadratic Polynomial	Nature of roots. Solving Equation by factorisation Sridhar Acharrya Formula
4.	Factorisation of polynomial	Factor Theorem Reminder Theorem Factorisation of Polynomial (upto Polynomial with degree 3)
5.	Circle	Ex 15.1 (Angle properties)
UNIT2:		
1.	Mensuration	Area of cone, Cylinder, Sphere. (Problems of frustrum excluded)
2.	AP and GP	Finding general term Finding sum
3.	Coordinate Geometry	Distance Formula Section formula

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Coordinate Geometry	Equation of line (Derive equation of straight line, calculating slope angle of inclination etc, condition of two lines to be parallel)
2.	Circles	Ex 15.2 ]- Angle properties Ex 15.3 ] - Cyclic properties of circle. Tangent and secant property.
3.	Similarity	Condition of similar triangle.
4.	Locii	Definition Meaning Theorem [Proves not required]

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5.	Statistics	Central tendency (REVISION) Graphical representation.
6.	Trigonometry	Identities Heights and Distance (Cases involving more than two right angles excluded )
	<b>Project: Mensuration</b>	

### NOVEMBER:

Content	Concept
Construction	
Probability	
Matrix	

**Selection test: Full class X syllabus**

### Physics

#### UNIT1:

SL. NO.	CONTENT	CONCEPTS
1.	Refraction through lens	Lenses, its characteristics and uses.
2.	Force	Turning forces concept, centre of gravity

#### UNIT2:

1.	Household Circuit	Main circuit, switches, fuse, earthing, safety precautions
2.	Spectrum	Using glass prism to produce spectrum, scattering of light.

#### TERMINAL:

SL. NO.	CONTENT	CONCEPTS
1.	Refraction of light at plane surface.	Refraction through glass block and triangular prism.

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2.	Machine	Machines as a force multiplier and pulley system
3.	Electromagnetism	Magnetic effect of current , electromagnetic induction , transformer.
4.	Sound	Reflection of sound waves , echoes and their uses.
5.	Radio activity	Radioactivity and changes in nucleus , nuclear fission and fusion
	<b>Project: Spectrum</b>	

### 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.	Study of compounds B. Ammonia	Occurrence, preparation, physical properties, chemical properties, uses
2.	Study of compounds C. Nitric acid	Occurrence, preparation, physical properties, chemical properties, uses
3.	Chemical Bonding ( already done in class IX )	Classification of elements, position of metals, Different methods of extracting metals from ores, extraction of metals based on their position in activity series.
4.	Periodic table ( already done in class IX )	Reason for classification of elements, laws, periodic properties and their variations in group and periods, periodicity, general trends, study of specific groups, uses

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UNIT2:		
1.	Organic chemistry	Organic compounds, hydrocarbons, nomenclature, isomerism, alcohol, carboxylic acids
2.	Study of compounds D. Sulphuric Acid	Occurrence, preparation, physical properties, chemical properties, uses
3.	Electrolysis ( already done in class IX )	Electrolytes and non-electrolytes, electrodes, electrochemical series, examples, applications
4.	Study of compounds A. Hydrogen Chloride ( already done in class IX )	Occurrence, preparation, physical properties, chemical properties, uses

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Mole concept and stoichiometry	Gay – Lussac’s law and Avogadro’s law, RAM, RMM, Mole concept, percentage composition, empirical and molecular formulae, calculations based on chemical equations
2.	Metallurgy	Metals, stages involved in metal extraction, extraction of Aluminium, Alloys
3.	Acids, bases and salts	Acids and bases, pH, indicators, salts and their properties, preparation of salts
4.	Organic chemistry ( repeat )	Organic compounds, hydrocarbons, nomenclature, isomerism, alcohol, carboxylic acids
5.	Analytical chemistry ( already done in class IX )	Colour of salts, action of NaOH and NH <sub>4</sub> OH, action of alkalis on certain metals and metal oxides
6.	Study of compounds B. Ammonia ( repeat )	Occurrence, preparation, physical properties, chemical properties, uses
7.	Chemical Bonding ( repeat )	Ionic, Covalent, Co- ordinate bond, orbital and Lewis structure, OILRIG concept

Selection Examination – Full class X Book

Project for ICSE → HCl

### Practical –

- 1) Identification of gases by different methods
- 2) Inorganic qualitative analysis
- 3) Action of NaOH and NH<sub>4</sub>OH on metallic salts



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- 4) Determination of acidic solution and alkaline solution
- 5) Distinguishing between copper oxide and MnO<sub>2</sub> with the help of concentrated HCl
- 6) Use of pH in medical field, soil and water analysis

### ENVIRONMENTAL SCIENCE

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Managing the urban environment	Urbanization, planning environmental improvement, rural development to counter migration, development of secondary cities to counter migration, private enterprises
2.	Managing soil and land	Conserving soil, land reforms, integrated rural development, role of women , combating deforestation, managing forest grazing
UNIT2:		
1.	Food	Sustainable agriculture, problem of global food security, food aid.

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Biodiversity	Biodiversity risk, conserving our genetic resources, conserving strategies at national and international level
2.	Energy	Fossil fuels, nuclear energy, a sustainable energy future
3.	Waste	Solid waste
4.	Environment and development	Global environmental pollution, economic development and degradation, international trade, multinational corporations
5.	Towards a sustainable future	Global interdependence, international cooperation, sustainable development, non governmental organisations, technologies
6.	Managing soil and land	Conserving soil, land reforms, integrated rural development, role of women, combating deforestation, managing forest grazing

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Project: 1 .Make a field study of the effect of human interaction on the natural environment and write a project report (1500 words) on the likely impact of the interaction on the global environment.

2. Prepare an original study/essay (2000 words) on an area of the prescribed curriculum that is indicative of his/her appreciation/concern for environmental issues and make a functional model to support the above.

### Geography

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	NATURAL VEGETATION	<ul style="list-style-type: none"> <li>● Forest in India</li> <li>● Conservation of forest in India.</li> <li>● Types of vegetation found</li> <li>● Their uses in human lives.</li> <li>●</li> </ul>
2.	WATER RESOURCES	<ul style="list-style-type: none"> <li>● Concept of Surface water and groundwater</li> <li>● Need for conservation and conservation practices</li> <li>● Irrigation–importance and methods</li> </ul>
3.	TOPOSHEET	<ul style="list-style-type: none"> <li>● Study of symbols</li> <li>● Four figure grid</li> </ul>
4.	MAP	<ul style="list-style-type: none"> <li>● Rivers and Water bodies to be done</li> </ul>
UNIT2:		
1.	MINERAL RESOURCES	<ul style="list-style-type: none"> <li>● Uses and distribution of Iron ore, Manganese ,Copper ,Bauxite</li> </ul>
2.	CONVENTIONAL SOURCES OF ENERGY	<ul style="list-style-type: none"> <li>● Conventional sources–coal, petroleum, natural gas—distribution, advantages and disadvantages.</li> <li>● Hydel power–Bhakra Nangal Dam and Hirakud</li> </ul>
3.	NON CONVENTIONAL SOURCES OF ENERGY	<ul style="list-style-type: none"> <li>● Non conventional sources–solar ,wind tidal, geothermal ,nuclear and biogas–generation and advantages</li> </ul>
4.	TOPOSHEET	<ul style="list-style-type: none"> <li>● Toposheets no. G43S7 to be explained</li> </ul>
5.	MAP	<ul style="list-style-type: none"> <li>● Minerals, Winds, Latitude and Longitude</li> </ul>

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TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	MANUFACTURING INDUSTRIES	<ul style="list-style-type: none"> <li>● Importance and classification of manufacturing industries Agro based industry–sugar, textile</li> <li>● Industry Mineral based industry–iron and steel(TISCO, Bhilai, Rourkela and Visakhapatnam)</li> <li>● Petrochemical industries</li> <li>● Electronic industry</li> </ul>
2.	TRANSPORT	<ul style="list-style-type: none"> <li>● Importance of transport</li> <li>● Modes of transport- (roadways, railways, waterways and airways)</li> <li>● Advantages and disadvantages of different modes of transport</li> </ul>
3.	WASTE MANAGEMENT (IMPACT & DISPOSAL)	<ul style="list-style-type: none"> <li>● Impact of waste accumulation (spoilage of landscape, pollution, health hazards, effects)</li> <li>● Need for waste management,</li> <li>● Safe Disposal of Waste</li> <li>● Methods of safe disposal of waste</li> <li>● Need and methods of reducing, reusing and recycling waste</li> </ul>
4.	AGRICULTURE( FOOD AND CASH CROPS)	<ul style="list-style-type: none"> <li>● Indian agriculture importance, problems and reforms</li> <li>● Types of farming–subsistence and commercial , Shifting cultivation, intensive farming extensive farming ,plantation and mixed farming</li> <li>● Agricultural seasons–rabi, kharif and Zayad -Rice, wheat, millets and pulses Climatic conditions, soil requirements, methods of cultivation, processing and</li> <li>● Sugarcane and oil seeds Climatic conditions, soil requirements, methods of cultivation, processing and distribution</li> <li>● Cotton, jute, tea and coffee Climatic conditions, soil requirements, methods of cultivation, processing and distribution</li> </ul>
5.	MANUFACTURING INDUSTRIES	<ul style="list-style-type: none"> <li>● Importance and classification of manufacturing industries Agro based industry–sugar, textile</li> <li>● Industry Mineral based industry–iron</li> </ul>

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		<ul style="list-style-type: none"> <li>and • steel (TISCO, Bhilai, Rourkela and Visakhapatnam)</li> <li>• Petrochemical industries</li> <li>• Electronic industry</li> </ul>
6.	TOPOSHEET	<ul style="list-style-type: none"> <li>• G43S10</li> </ul>
7.	MAP	<ul style="list-style-type: none"> <li>• Mountains, Plateaus, Plains, Desert and Passes.</li> </ul>
8.	<b>PROJECT WORK: WASTE MANAGEMENT</b>	

FULL SYLLABUS

PROJECT WORK: WASTE MANAGEMENT- RECTIFIED

### History

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Moderates	Reform over revolution
2.	Extremists	Reform over revolution
3.	Muslim League and its Objectives	To create among Muslims the feeling of loyalty
UNIT2:		
1.	National Movement during the First World War	BRINGING THE First movement
2.	National Movement 1919-1934	The bringer of independence
3.	The Cripps Mission and the Quit India Movement	Movements led by Gandhiji
4.	Subjects Chandra Bose, and INA	To organise an armed revolution

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Independence and the Partition of India	The immediate scenario after Independence
2.	The First World War	To restore sovereignty
3.	Rise of dictatorship	Hitter and Mussolini
4.	Second World War	An invasion of the Soviet Union

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5.	The Judiciary	Interpret and apply the law
	<b>Project- The Road to Independence</b>	

### FINAL EXAMINATION

### THE WHOLE SYLLABUS OF HISTROY AND CIVICS

## 2<sup>nd</sup> 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.	বাবু বলেন -	এক আরাম আয়েশ করা বাবুর ব্যর্থ জীবন যাপন করা নিয়ে লেখা কবিতা।
3.	বাচ্য পরিবর্তন -(ব্যাকরণ)	- কর্তা, কর্ম, এবং ক্রিয়ার ভাবে পরিবর্তন করা ও বাক্যে প্রয়োগ করা শেখায়।
4.	অশুদ্ধি শোধন -(ব্যাকরণ)	বাক্যের মধ্যে থাকা ভুল বানান
5.	বিপরীত শব্দ -(ব্যাকরণ)	একটি শব্দের উল্টো মানে কি সেই সম্বন্ধে জানা
6.	গিনি (গল্প)	স্কুলের এক শান্ত ছেলের সাথে ঘটে যাওয়া ঘটনাগুলো ও তার স্বভাব নিয়ে লেখা গল্প।
7.	ক্যানভাসার -(গল্প)	- হীরালাল ও ভৈরবের মাজন বিক্রির মজার ঘটনা।
UNIT2:		
1.	লোকটি -	আজহারউদ্দিন ও এক ব্যক্তির থেকে পাওয়া হীরে নিয়ে লেখা গল্প।
2.	খো খো	একটি খো খো খেলা মেয়েকে নিয়ে লেখা কবিতা।
3.	এক কথায় প্রকাশ -(ব্যাকরণ)	একটি কথায় শব্দের প্রকাশ বা সংকোচন
4.	সাধু ও চলিত (ব্যাকরণ)	সাধু ভাষা ও চলিত ভাষা পরিবর্তন করার নিয়ম ও উদাহরণ।
5.	বামা -(গল্প)	গ্রামের এক সাহসী নারী বামার গল্প।
6.	রবীন্দ্রনাথের প্রতি -	দুর্দিনে রবীন্দ্রনাথ কে স্মরণ করে লেখা কবিতা।
7.	আবার আসিব ফিরে -(কবিতা)	কবির তার জন্মভূমির প্রতি টান ও বারবার ফিরে আসার ইচ্ছে নিয়ে লেখা কবিতা।



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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.	লানু- (গল্প)	এক দুষ্ট ছেলের দুষ্টমির গল্প।
4.	সিঁড়ি (কবিতা)	অবেহলিত 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 রোদুর 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)-	প্রত্যক্ষ ও পরোক্ষ ভাবে উক্তি পরিবর্তন 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:- ক্যানভাসার -(গল্প)	



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## 2<sup>nd</sup> Language - Hindi

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	कहानी- काकी	बच्चे का जीवन माँके इर्द-गिर्द घूमती रहती है
2.	कहानी- अपना अपना भाग्य	जीवन कुछ हद तक भाग्य पर निर्भर करता है
3.	कविता- साखी	व्यवहारिक ज्ञान
4.	कविता- भिक्षुक	कमजोर वर्ग के लिए आवाज उठाना
5.	व्याकरण- विपरीत शब्द	उल्टे शब्दों की जानकारी
6.	अनेक शब्दों के लिए एक शब्द	वाक्यांश को संक्षिप्त करना
7.	भाववाचक संज्ञा	संज्ञा सर्वनाम , विशेषण और क्रिया को भाववाचक संज्ञा में बदलना
8.	शुद्ध वर्तनी	अशुद्ध वर्तनी को शुद्ध करना
9.	औपचारिक तथा अनौपचारिक पत्र	व्यावहारिक और व्यक्तिगत पत्र लिखने का ढंग
10.	निबंध	
UNIT2:		
1.	कविता- गिरधर की कुंडलियां	व्यवहारिक ज्ञान
2.	कविता- मातृ मंदिर की ओर	देश के असफल सैनिकों को प्रेरित करने की सीख देश मातृका से प्रेम
3.	कहानी- महायज्ञ का पुरस्कार	जीव सेवा ही सबसे बड़ा धर्म है
4.	कहानी- घर की बेटी	अच्छे संस्कार और अच्छे व्यवहार हर बुराई को भी अच्छाई में बदल देता है
5.	व्याकरण- विपरीत शब्द	उल्टे शब्दों की जानकारी
6.	अनेक शब्दों के लिए एक शब्द	वाक्यांश को संकुचित करना
7.	भाववाचक संज्ञा	भाववाचक संज्ञा में बदलाव
8.	वर्तनी	अशुद्ध वर्तनी को शुद्ध करने का नियम
9.	मुहावरे	समान अर्थ वाले शब्द की जानकारी
10.		का अर्थ तथा प्रयोग
11.	अशुद्धि शोधन	पद, लिंग वचन,कारक संबंधी गलतियों को दूर करने का ज्ञान
12.	वाक्यांतर	वाक्यांश के भेद तथा निर्देशानुसार वाक्य में बदलाव
13.	अपठित गद्यांश	गद्यांश को पढ़कर प्रश्नों का उत्तर
14.	औपचारिक पत्र	व्यावसायिक पत्र लिखने का ढंग
15.	अनौपचारिक पत्र	व्यक्तिगत पत्र लिखने का ढंग



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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 व्यक्तिगत 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
14.	अनेक शब्द के लिए एक शब्द	वाक्यांश को संक्षिप्त करना
15.	भाववाचक संज्ञा	भाववाचक संख्या क्या है तथा उसमें बदलाव
16.	वर्तनी	वर्तनी संबंधी अशुद्धियों तथा उसे दूर करते संबंधी नियम
17.	पर्यायवाची शब्द	सामान्य अर्थ वाले शब्दों के जानकारी
18.	मुहावरे	अर्थ तथा प्रयोग
19.	अशुद्धि शोधन	पद वर्तनी लिंक वचन कार्य संबंधी गलतियों को दूर करना
20.	वाक्यांतर	वाक्य के भेद तथा निर्देशानुसार उसमें बदलाव
21.	अपठित गद्यांश	गद्यांश को पढ़ कर अपने शब्दों में उत्तर
22.	औपचारिक पत्र	औपचारिक पत्री लिखने का ढंग
23.	अनौपचारिक पत्र	अनौपचारिक पत्र लिखने का ढंग
24.	निबंध	
25.	क) परियोजना- जनसंख्या एक आधारभूत समस्या बात अठनी की कहानी का कथानक तथा शीर्षक की सार्थकता ।	



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### ECONOMIC APPLICATION

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Supply	Meaning, determinants, law, movement ,shift, elasticity, types of elasticity, exception, factors, individual supply and market supply, factors affecting elasticity, degrees
UNIT2:		
1.	Factors of Production	Land, Labour, Capital and Entrepreneur. (meaning and characteristics, functions and its importance, factors affecting)

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Alternative Market Structures	Nature and structure of markets Perfectly competitive market, Monopoly market, monopolistically competitive market, concept of product differentiation, Monopsony market.
2.	The State and Economic Development	The role of State in promoting development; the instruments of State intervention- fiscal policy and monetary policy; The Public sector enterprises - their role and problems; the issue of privatization of public enterprises.
3.	Money and Banking	Money: meaning, functions of Money; Inflation -meaning, effects of inflation on the functioning of the economy (in brief). Banking: Commercial Banks - functions; Central Bank - functions; quantitative and qualitative credit control measures adopted by RBI.
4.	Supply	Meaning, determinants, law, movement ,shift, elasticity, types of elasticity, exception, factors, individual supply and market supply, factors affecting elasticity, degrees

#### **Project:**

1. Develop a hypothetical table of information for coffee that shows quantity demanded at various prices and supply of coffee at these prices. Draw a demand curve and supply curve and show an equilibrium price at which market is cleared of its supplies.
2. Make a list of products for which you think demand is price inelastic and price elastic. Specify the reasons you may think relevant for your analysis.



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3. Take a case of a nationalized bank – visit any one of its branches in your city. Analyze the main functions of this bank's branch. Make a presentation to this effect.

4. Take a case of five FMCGs ---fast moving consumer goods –bathing soaps, toothpastes, facial creams, shampoos, ballpoint pens. Analyse as to how the market for these products is characterized by product differentiation.

### PHYSICAL EDUCATION

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Human growth and Development	<ul style="list-style-type: none"> <li>• Growth and development : meaning of growth and development</li> <li>• Difference between the growth and development</li> <li>• A brief understanding of the stage</li> <li>• Factors the influence human growth and development : Hereditary, Environmental, Gender, Nationality, Nutrition</li> </ul>
2.	Physical Education	<ul style="list-style-type: none"> <li>• Meaning of Physical Education</li> <li>• Objectives of Physical Education</li> <li>• Physical development, Psychological development, Social development, Emotional development</li> </ul>
UNIT2:		
1.	Body Types	<ul style="list-style-type: none"> <li>• Endomorph, Mesomorph, Ectomorph</li> </ul>
2.	Physical Fitness :	<ul style="list-style-type: none"> <li>• Meaning of Physical Fitness and its importance</li> <li>• Components of Physical Fitness</li> <li>• Factors Affecting Physical Fitness</li> </ul>

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Sports Training	<ul style="list-style-type: none"> <li>• Meaning of Sports Training</li> <li>• Importance of Sports Training</li> <li>• Objectives of Sports Training</li> </ul>
2.	Safety in Sports	<ul style="list-style-type: none"> <li>• Sports related injuries</li> <li>• A brief understanding of the sports injuries and “First aid”</li> <li>• Prevention of injuries</li> </ul>
3.	Health Education	<ul style="list-style-type: none"> <li>• Meaning and importance of Health Education</li> <li>• Nutrition</li> <li>• Dietary modification for</li> </ul>

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		<p>Sportsperson Calories</p> <ul style="list-style-type: none"> <li>Meal planning guidelines for various physical activities with sample menus</li> </ul>
4.	Careers in Physical Education	<ul style="list-style-type: none"> <li>Various career options in Physical Education: ( Coach, Physical Education Teacher, Professional Sportsperson, Sports Management, Commentators, Official )</li> <li>A brief understanding of the above.</li> </ul>
5.	Candidates will be required to answer questions on any two of the following team games : [Cricket, Football, Hockey, Basketball, Volleyball, Badminton ]	<ul style="list-style-type: none"> <li>Knowledge of the game</li> <li>Rules and Regulation of the game</li> <li>Fundamental Skills and Techniques</li> <li>Terminology</li> <li>National and International governing bodies</li> <li>National and International tournaments</li> </ul>
	❖ PRACTICAL:	<ul style="list-style-type: none"> <li>Knowledge of the game</li> <li>Rules and Regulation of the game</li> <li>Fundamental Skills and Techniques</li> </ul>
	❖ PROJECT :	<ul style="list-style-type: none"> <li>Draw standard Diagram with labels any two of the following Games ( Cricket. Football, Hockey, Basketball, Volleyball, Badminton)</li> </ul>
	INTERNAL ASSESSMENT :	<ul style="list-style-type: none"> <li>Draw standard Diagram with labels any two of the following Games (Cricket. Football, Hockey, Basketball, Volleyball, Badminton)</li> </ul>
	SELECTION TEST	<ul style="list-style-type: none"> <li>All Syllabus</li> </ul>

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### Music

Terminal:		
SL. NO.	CONTENT	CONCEPTS
1.	Heal the world	
2.	Try everything	
3.	We three kings	

Final:		
SL. NO.	CONTENT	CONCEPTS
1.	Teri panah me humein	
2.	Unstoppable	
3.	Deck the balls	