

**St. Xavier's School, Doranda, Ranchi**  
**Session -2023-24**

**Class- IX**

**ENGLISH LANGUAGE**

**Grammar Topics** (Both the terms)

1. Essay in 300 to 350 words (descriptive , narrative, argumentative, stories with opening and concluding lines)
2. Letter writing formal/informal
3. Notice and Email
4. Unseen passage with Questions, word meaning and précis
5. Grammar- Prepositions, Synthesis, Transformation of Sentences, Correct form of verb

**PROJECT - 20 Marks – Formal letters 3 of each kind – Apology, Complain, Permission, Request (12 letters)**

**English Literature**

**Topics**

**MONTH**

1. A Work of Artifice (poem)
2. Bonku Babu's Friend (prose)
3. Act I Sc i (Julius Caesar)
4. A Doctor's Journal Entry (Poem)
5. Oliver Asks for More (prose)

April  
April  
May  
June  
June

**1<sup>st</sup> Unit Test – June (20 marks) A work of Artifice, Act 1 Scene 1**

6. Act I Sc ii (JC)
7. Skimbleshanks : The Railway Cat (poem)
8. The Model Millionaire (prose)
9. Ac I Sc iii (JC)

July  
July  
August  
August

**REVISION**

September

**First Terminal Exam September – All the chapters taught in the First term**

10. Act II Sc i (JC)
11. Act II Sc ii (JC)
12. I Remember, I Remember (poem)
13. Act II Sc iii (JC)
14. The Home-Coming (prose)

October  
October  
November  
November  
December

## 2<sup>nd</sup> Unit Test – December (20 marks)

- 15. The Night Mail (poem)
- 16. Act II Sc iv (JC)
- 17. The Boy Who Broke the Bank (prose)

December  
January  
January


## REVISION

January & February

Final Examination – February – All the chapters taught in both the terms

## Project (20 marks) – Review of Poems – A Work of Artifice & A Doctor's Journal Entry for August 6, 1945

- 1. The poem
- 2. Introduction of the Poet
- 3. Explanation (line/stanza wise)
- 4. Figure of Speech
- 5. Summary with message

  
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## MATHEMATICS

### 1<sup>st</sup> Term Syllabus : ( Project - Quadilaterals)

- 1) Rational and irrational numbers, representation on number lines. Surds. Rationalisation
- 2) Compound interest without using formula --- compound interest as a repeated simple interest, Computation with a growing principal. Relation between C.I and S.I
- 3) Compound interest using formula to find Principal ,rate, time, and miscellaneous problem (half yearly and yearly)
- 4) Expansions-- Identities like  $(a + b)^2$ ,  $(a-b)^2$ ,  $(a + b)^3$ ,  $(a-b)^3$
- 5) Factorisation by taking the common factor by splitting the middle terms, difference of two squares, sum or difference of two cubes.
- 6) Simultaneous equation including word problems, Methods of solving simultaneous equation by substitution, elimination, cross multiplication, Equations reducible to linear equation, Solution of simultaneous linear equation graphically.
- 7) Indices – Introduction, law of indices, simplification of expression, solving exponential equations.
- 8) Logarithm – Interchange of form, laws of logarithm.
- 9) Trigonometrical Ratios – Concept of perpendicular, base and hypotenuse in a right triangle, Reciprocal relation.



- 10) Trigonometrical Relations of standard angle 11) Solution of right triangle, miscellaneous problem.
- 12) Complimentary angles for sine and cosine.
- 13) Triangle – Conditions for congruency of triangles.
- 14) Isosceles triangle – Different theorems related to this.

**1<sup>st</sup> Unit Test:**

- a) Indices
- b) Logarithm

**2<sup>nd</sup> Term Syllabus:**

- 15) Mid-point Theorem and it's converse, equal intercept theorem
- 16) Pythagoras Theorem – Proof and sums based on it
- 17) Rectilinear figures, regular polygon, quadrilaterals.
- 18) Construction of polygon – Construction of quadrilateral and regular hexagon
- 19) Area theorem – Figures between the same parallel, triangles with the same vertex and bases along the same line.
- 20) Circle – Arc, segment, sector, chord properties.
- 21) Statistics – Variable, tabulation, frequency distribution, graphical representation of data, histogram, frequency polygon.
- 22) Mean and median
- 23) Area and perimeter of plane figures – Some special types of triangles, area and perimeter of all types of quadrilaterals, circumference and area of a circle.
- 24) Solids – cube, cost of an article, cross-section, flow of water
- 25) Co-ordinate Geometry – Dependent and independent variable, ordered pair, co-ordinate of points, plotting of points, graphing a linear equation, inclination and slope, finding the slope and y-intercept of a line.
- 26) Distance formula – To find the distance between two given points, circum-centre of a triangle.
- 27) Inequalities – Introduction and related theorems
- 28) Chapters of first term are also included in the final term.

**2<sup>nd</sup> Unit Test:**

- a) Mid-point theorem, intercept theorem
- b) Pythagoras Theorem
- c) Statistics
- d) Mean and median
- e) Circle

**Month-wise Breakup**

April:

- 1) Indices
- 2) Logarithm
- 3) Expansions

May:

- 1) Factorisation
- 2) Rational and Irrational Numbers
- 3) Simultaneous Equation

June:

- 1) Simultaneous Equation (continued)
- 2) C.I. without using formula

July:

- 1) C.I. using formula
- 2) Trigonometrical Ratios
- 3) Trigonometrical Ratios of standard angle

August:

- 1) Solution of right triangles
- 2) Complementary Angles
- 3) Triangles

September:

- 1) Isosceles Triangle

October:

- 1) Mid-Point Theorem
- 2) Pythagoras Theorem
- 3) Statistics

November:

- 1) Mean and median
- 2) Circle
- 3) Rectilinear Figures

December:

- 1) Construction of Polygon
- 2) Area Theorem (Geometry)]

3) Area and Perimeter (Mensuration)

January:

- 1) Solids
- 2) Co-ordinate Geometry
- 3) Distance formula

February:

- 1) Inequalities

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**SUBJECT: HINDI**

First Term

**SECTION A ( 40 Marks)**

भाषा – सरस हिंदी व्याकरण तथा व्यावहारिक व्याकरण की विस्तृत जानकारी हेतु व्याकरण की अन्य पुस्तकों से ज्ञान प्राप्त करना

1. प्रस्तावना
2. चित्र लेखन
3. पत्र लेखन – क) औपचारिक ख) अनौपचारिक
4. भाव ग्रहण
5. व्यावहारिक व्याकरण

**SECTION B ( 40 MARKS)**

साहित्य

गद्य

1. बात अठनी की
2. काकी
3. महायज्ञ का पुरस्कार
4. अपना – अपना भाग्य

पद्य

1. साखी
2. गिरिधर की कुंडलियाँ
3. स्वर्ग बना सकते हैं
4. मेघ आए

**Unit Test**

1. बात अठनी की
2. साखी
3. व्यावहारिक व्याकरण

परियोजना कार्य – त्यौहार मानव जीवन को सरस बनाते हैं। जीवन में विभिन्न त्यौहारों का महत्व  
(submission date: 15 /7/2023)

**Final Examination**

**Section A (40 Marks)**

1. प्रस्तावना
2. चित्र लेखन



3. पत्र लेखन (औपचारिक पत्र , अनौपचारिक पत्र)
4. भाव ग्रहण
5. व्यावहारिक व्याकरण- सरस हिंदी व्याकरण के अलावा अन्य व्याकरण की पुस्तक से भी।

#### SECTION B ( 40 MARKS)

##### गद्य

- |                    |                        |                  |
|--------------------|------------------------|------------------|
| 1. नेताजी का चश्मा | 2. बड़े घर की बेटी     | 3. बात अठन्नी की |
| 4. काकी            | 5. महायज्ञ का पुरस्कार |                  |

##### पद्य

- |                        |              |         |                       |
|------------------------|--------------|---------|-----------------------|
| 1. वह जन्मभूमि मेरी    | 2. सूर के पद | 3. साखी | 4. गिरिधरकी कुंडलियाँ |
| 5. स्वर्ग बना सकते हैं |              |         |                       |

#### 2nd Unit test

1. नेताजी का चश्मा
2. वह जन्मभूमि मेरी
3. व्यावहारिक व्याकरण

  
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### GEOGRAPHY

#### MID TERM (April to September)

##### April and May

#### Ch.2: Geographic Grid - Latitude and Longitudes.

Concept of latitudes: Main latitudes, their location with degrees, parallels of latitude and their uses, Concept of longitude - Prime meridian, time( local standard and time zones), Greenwich Mean Time and International Date Line. Eastern and Western hemisphere. Great and small circle.

#### Ch.3: Rotation and Revolution

Rotation - direction, speed and its effects (occurrence of day and night, the sun rising in the east and setting in the west, Coriolis effect)

Revolution of the Earth and its inclined axis- effects: the variation in the length of day and night and seasonal changes with equinoxes and solstices.

#### UNIT TEST - Ch.2: Geographic Grid - Latitude and Longitudes and Ch.3: Rotation and Revolution

##### June

#### Ch.4: Earth's structure

Core, mantle, crust- meaning, extent and their composition.

## **July**

### **Ch.6: Rocks**

Difference between rocks and minerals, types of rocks: igneous, sedimentary, metamorphic - their characteristics and formation; rock cycle.

### **Ch.7: Volcanoes**

Meaning, types – active, dormant, extinct. Effects - Constructive and destructive.  
Important volcanic zones of the world.

## **August + September**

### **Ch.8 : Earthquakes**

Meaning, causes and measurement.  
Effects: Destructive and constructive.  
Earthquake zones of the world.

### **Ch 9: Weathering and Denudation**

Meaning, types and effects of weathering.  
Types: Physical weathering: block and granular disintegration, exfoliation;  
Chemical weathering: oxidation, carbonation, hydration and solution;  
Biological weathering: caused by humans, plants and animals.

### **Map work for Mid term:**

The oceans, Seas, Gulfs and Straits  
Rivers – Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Zambezi, Orange, Rhine, Volga, Danube, Murray, Darling, Hwang Ho, Yangtse Kiang, Ob, Indus, Ganga, Mekong, Irrawady, Tigris, Euphrates

## **FINAL TERM (October to February)**

### **October**

#### **Ch.10: Hydrosphere**

Meaning of hydrosphere.

Waves

Tides – formation and pattern.

Ocean currents- their circulation pattern and effects. (specifically of Gulf Stream, North Atlantic Drift, Labrador Current, Kuro Shio and Oya Shio.)

### **November + December**

#### **Ch. 12: Insolation**

Meaning of insolation and terrestrial radiation

Factors affecting temperature: latitude, altitude, distance from sea, slope of land, winds and ocean currents.

#### **Ch. 13: Atmospheric Pressure and Winds**

Meaning and factors that affect atmospheric pressure.

Major pressure belts of the world.

Factors affecting direction and velocity of wind - pressure gradient, Coriolis Effect.

Permanent winds - Trades, Westerlies and Polar Easterlies.

Periodic winds – Land and sea breezes, monsoons

Local winds – Loo, Chinook, Foehn and Mistral



Variable winds – Cyclones and anticyclones

**Ch. 14: Humidity and Precipitation**

Precipitation – forms: rain, snow and hail

Types of rainfall - relief/orographic, convectional, cyclonic/frontal with examples from different parts of the world.

**UNIT TEST - Ch.10: Hydrosphere and Ch. 12: Insolation**

**January**

**Ch. 16: Natural Regions of the world**

Location, area, climate, natural vegetation and human adaptation.

Equatorial region, Tropical grassland, Tropical Deserts, Tropical Monsoon, Mediterranean, Temperate grasslands, Tundra and Taiga.


**Map work for Final term:**

Major Natural Regions of the world.

Including the maps from the Mid Term

**PROJECT TOPIC: GREEN HOUSE EFFECT AND CLIMATE CHANGE**

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**BIOLOGY**

<b><u>MID TERM PORTION</u></b>	<b><u>FINAL TERM PORTION</u></b>
<ul style="list-style-type: none"><li>• CELL: THE UNIT OF LIFE</li><li>• TISSUES: PLANT AND ANIMAL TISSUES</li><li>• ECONOMIC IMPORTANCE OF BACTERIA AND FUNGI</li><li>• AIDS TO HEALTH</li><li>• HEALTH ORGANISATIONS DISEASES: CAUSE AND CONTROL</li><li>• HYGIENE</li><li>• THE FLOWER</li><li>• POLLINATION AND FERTILIZATION</li><li>• SEEDS- STRUCTURE AND GERMINATION</li><li>• RESPIRATION IN PLANTS</li><li>• FIVE KINGDOM CLASSIFICATION</li></ul>	<ul style="list-style-type: none"><li>• NUTRITION</li><li>• DIGESTIVE SYSTEM</li><li>• SKELETON- MOVEMENT AND LOCOMOTION</li><li>• SKIN- "THE JACK OF ALL TRADES"</li><li>• THE RESPIRATORY SYSTEM</li><li>• WASTE GENERATION AND MANAGEMENT</li></ul>



## MID TERM (APRIL – SEPTEMBER 2023)

### April-May 2023

#### ❖ Cell- The Unit of Life

- Basic Understanding of the cell theory.
- Structure of the plant and the animal cells with basic with the functions of various cell organelles.
- Major differences between a prokaryotic and eukaryotic cell.
- Differences between a plant cell and an animal cell with respect to cell wall, centrosomes, vacuoles and plastids.

#### ❖ Tissues- Plant and Animal Tissues

- Introduction to Tissues
- Plant Tissues - Meristematic Tissue and Permanent Tissue
- Meristematic tissue – Apical, Intercalary, Lateral Meristem
- Permanent tissues
  - Protective tissues
  - Supportive Tissues - Parenchyma, Collenchyma and Sclerenchyma
  - Conducting tissues - Xylem and Phloem
- Animal tissues
- Epithelial tissues – Squamous, Cuboidal, Columnar, Ciliated, Glandular, Stratified
- Connective Tissue
  - Connective tissue proper- Areolar, Adipose and Fibrous
  - Supportive Connective Tissue- Cartilage and Bone
  - Fluid Connective Tissue- Blood and lymph
- Muscle Tissue - Striated Muscles, Unstriated Muscles, Cardiac Muscles
- Nervous tissue

#### ❖ Portion for the First Unit Test (20 marks) 19<sup>th</sup> June 2023

- Cell- The Unit of Life
- Tissues-Plant and Animal Tissues

### June 2023

#### ❖ Economic Importance of Bacteria and Fungi

- Useful role of Bacteria- Medicine: Antibiotics, serums and vaccines.
- Nitrogen Cycle
- Industry- Curing of tea, Tanning of leather.
- Harmful role of bacteria -Spoilage of food, diseases in plants and animals, bioweapons.
- Economic importance of Fungi- A brief idea of the useful role in fungi in breweries, bakeries, cheese processing, mushroom cultivation.

#### ❖ Aids to Health

- Active and Passive immunity

- An understanding of the use and action of the following-
  - Vaccination
  - Immunisation
  - Antitoxin
  - Serum
  - Antiseptics
  - Disinfectants
  - Antibiotics.
- An idea of local defence system and its merits.
- Difference between antiseptics and disinfectants.

#### ❖ Health organisations

- Health organisations- Red cross and WHO
- Main activities of Red Cross and WHO

#### July 2023

#### ❖ Diseases: Cause and Control

- A brief introduction to communicable, non-communicable, endemic, pandemic and sporadic diseases. Modes of transmission
- Bacterial diseases- Cholera, typhoid, tuberculosis.
- Viral Diseases- AIDS, Chicken pox, Hepatitis
- Protozoan diseases- Malaria, Amoebic Dysentery, Sleeping Sickness.
- Helminthic Diseases-Ascariasis, Taeniasis, Filariasis.

#### ❖ Hygiene

- A brief introduction to maintaining good health
- General idea of personal hygiene, public hygiene and sanitation.
- Modes of transmission of diseases: air borne, water borne, vectors (housefly, mosquito, cockroach).

#### ❖ The Flower

- Structure of the bisexual flower and the functions of its various parts,
- A brief introduction to complete and incomplete flowers.
- Essential and non-essential whorls of a bisexual flower, their various parts and functions.
- Inflorescence and Placentation (meaning only)

#### ❖ Pollination and Fertilization

- Explanation, advantages and disadvantages of self and cross pollination.
- Agents of pollination and the characteristic features of the flowers pollinated by various agents such as insects, wind and water.
- Contrivances to prevent Self-pollination.
- Events taking place between pollination and fertilization leading to the formation of the zygote in the embryo sac.
- A brief explanation of the term double fertilization and triple fusion.



## August 2023

### ❖ Seed- Structure and Germination

- Fruit and Seed (definition and Significance)
- Structure of dicot and monocot seed.
- Germination of seeds, types and conditions for seed germination.
- Structure and germination of Bean seed and maize grain.
- Differences between monocot and dicot seeds.
- Differences between hypogeal and epigeal germination.
- Conditions for seed germination to explained and supported by experiments.

### ❖ Respiration in Plants

- Outline of the Process, gaseous exchange.
- Explanation of the terms Glycolysis and Krebs Cycle and their significance.
- Reference to Aerobic and Anaerobic respiration with balanced chemical equations in each case.
- Experiments on Gaseous exchange and on Heat production during respiration.

### ❖ Five Kingdom Classification

- Main Characteristics of each kingdom with suitable examples of Monera, Protista, Fungi, Plantae (Thallophyta, Bryophyta, Pteridophyta and Spermatophyta)
- Animalia (Porifera to Echinodermata and chordates -all five classes).

## September 2023

Revision

### Portion for the Mid-term Exam (80 marks)- 9<sup>th</sup> Sept. 2023

- ❖ Cell- the unit of life
- ❖ Tissues: Plant and Animal Tissues
- ❖ Economic Importance of Bacteria and Fungi
- ❖ Aids to health
- ❖ Health Organisations
- ❖ Diseases: Cause and Control
- ❖ Hygiene
- ❖ The flower
- ❖ Pollination and fertilization
- ❖ Seeds- Structure and Germination
- ❖ Respiration in Plants
- ❖ Five Kingdom Classification

### FINAL TERM

## October- 2023

### ❖ Nutrition

- Definition
- Need of Nutrition

- Classes of Nutrients
- Balanced diet
- ❖ **Digestive System**
  - Need for Digestive System
  - Parts of the Digestive System
  - Structure and Types of teeth with Dental formula
  - Peristalsis
  - Physiology of digestion and absorption
  - Assimilation of food
  - Liver

#### **November 2023**

##### ❖ **Skeleton-Movement and Locomotion**

- Functions of Human skeleton
- Constituents of Skeleton
- Structure of a long bone
- The Human Skeleton
- Axial Skeleton
- Appendicular Skeleton
- Joints and its types
- Muscles and its types

#### **December 2023**

##### ❖ **Skin - The Jack of All Trades**

- Functions of the skin
- Structure of the skin- Epidermis and Dermis
- Derivatives of the skin
- Skin and Regulation of heat of body.

#### **Portion for the Second Unit test (20 marks) –18<sup>th</sup> December 2023**

- Nutrition
- Digestive System

#### **January 2024**

##### ❖ **The Respiratory System**

- Need for Respiration
- Glucose as Respiratory Substrate



- Two kinds of Respiration
- Parts of Respiration
- Respiratory Organs (Breathing)
- Blood supply to lungs
- Respiratory cycle
- Control of Breathing movements
- Lung Capacities
- Effects of Altitude on Breathing
- Hypoxia and Asphyxiation
- Some Experiments on Breathing and Respiration

#### ❖ Waste Generation and Management

- What is Waste?
- Categories of Waste
  - Domestic, Industrial, Agricultural, Municipal, E-waste, laboratories waste.
- Methods of Safe Disposal of Waste
  - Segregation
  - Dumping
  - Composting
  - Drainage
  - Treatment of effluents before discharge
  - Incineration
  - Scrubbers
  - Electrostatic Precipitators

#### February 2024

##### ❖ Revision

#### Portion for Final Term Examinations (80 marks) -(8<sup>th</sup> February 2024 )

- Cell-The Unit of life
- Tissues- Plant and Animal Tissues
- The Flower
- Pollination and Fertilization
- Seeds-Structure and Germination
- Respiration in Plants
- Five Kingdom Classification
- Economic Importance of Bacteria and Fungi
- Nutrition
- Digestive System
- Skeleton-Movement and Locomotion
- Skin-"The Jack of all trades"

- The Respiratory System
- Hygiene
- Diseases: Cause and Control
- Aids to health
- Health Organisations
- Waste Generation and Management.

❖ **PROJECT WORK-(20 MARKS)**

Topic: "Classification of Plant and Animal Tissues " in Biology Practical Copy

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**CHEMISTRY**

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**Mid Term**

1. Study of gas laws
2. Water
3. Periodic table

**Unit test:** Study of gas laws

**Project:** Hydrogen

**Final term syllabus:**

1. Atmospheric pollution

**Unit test:** Atmospheric pollution

**Final term examination:** All chapters of class 9

**MONTHLY BREAKUP OF SYLLABUS**

April: Study of gas laws

May: Study of gas laws continued...

June: Water

July: Periodic table

August: Periodic table continued...

September: Revision

October: Atmospheric pollution

Nov and Dec: Introduction to Class 10 Chemistry

January: Revision of Class IX



## **PHYSICS**

### **FIRST TERM**

#### **First term unit test**

Measurement and Experimentation

(A) System of unit and units in S.I system

(B) Measurement of Length (C) Measurement of time and simple pendulum.

#### **Chapter 1:-**

##### **Measurement and Experimentation:-**

(A) systems of units and unit in S.I systems, units of length, mass and time, (B) Measurements of Length, (c) Measurement of time and simple pendulum.

#### **Chapter 2:-**

**Motion in One Dimension:-** (A) some terms related to motion, (B) Graphical Representation of linear motion, (C) Equation of motion.

#### **Chapter 3:-**

**Laws of Motion:-** (A) Contact and Non Contact forces, (B) Newton's first law of motion and inertia, (C) Linear momentum and Newton's second Law of Motion, (D) Newton's third Law of Motion, (E) Gravitation.

#### **Chapter 6:-**

**Heat and Energy:-** (A) Heat and Temperature; Anomalous Expansion, (B) Energy flow and its importance, (C) Energy sources, (D) Green house effect and global warming.

#### **Chapter 7:-**

**Reflection of Light:-** (A) Laws of reflection and formation of image by a plane mirror, (B) Images formed in a pair of mirrors, (C) Spherical mirrors, image formation and their uses.

### **FINAL TERM**

#### **2<sup>nd</sup> Unit Test**

**Pressure in Fluids and Atmospheric Pressure:-** (A) Pressure in Fluids and its transmission, (B) Atmospheric pressure and its measurement

**Upthrust in Fluids, Archimedes' Principle and flotation:-** (A) Upthrust and Archimedes' Principle, (B) Relative Density and its measurement by Archimedes' Principle, (C) Floatation.

#### **Chapter 4:-**

##### **Pressure in Fluids and Atmospheric Pressure:**

(A) Pressure in Fluids and its transmission, (B) Atmospheric pressure and its measurement.

#### **Chapter 5:-**

**Upthrust in Fluids, Archimedes' Principle and flotation:-** (A) Upthrust and Archimedes' Principle,

(B) Relative Density and its measurement by Archimedes' Principle, (C) Floatation  
**Chapter 8:-**

**Propagation of Sound Waves:-** (A) Production and propagation of sound waves,  
(B) Infrasonic, sonic and ultrasonic frequencies.

**Chapter 9:-Current Electricity:-** (A) Electric current, (B) Potential difference and resistance,  
(C) Efficient use of energy.

**Chapter 10:-Magnetism:-** (A) Induced magnetism and neutral points,  
(B) Electromagnet and its uses.

**Month wise break up of the Syllabus.**

**April:-** Measurement and Experimentation:- (A) Systems of unit and units in S.I systems, units of length, mass and time, (B) Measurement of Length.

**May:-** (C) Measurement of time and simple pendulum.

**Motion in One Dimension:-** (A) Some terms related to motion, (B) Graphical representation of linear motion, (C) Equations of motion

**June :-.** Motion in One Dimension: (B) Graphical representation of linear motion,  
(C) Equations of Motion. **Laws of Motion:-** (A) Contact and non contact forces,  
(B) Newton's first law of motion and inertia

**July:-.** Laws of Motion:- (C) Linear momentum and Newton's second law of motion.  
(D) Newton's third law of motion, (E) Gravitation

**August:-** Heat and Energy

**September:-** Reflection of Light.

**October:-** Pressure in Fluids and Atmospheric Pressure:- (A) Pressure in Fluids and its transmission, (B) Atmospheric pressure and its measurement Upthrust in Fluids, Archimedes' Principle and Floatation :- (A) Upthrust and Archimedes' Principle, (B) Relative density and its measurement by Archimedes' Principle, (C) Floatation

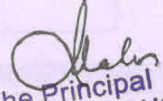
**November:-** Propagation of Sound Waves.

**December:-** Current Electricity.

**January:-** Magnetism.

**February:-** Revision.

**(All the chapters of First Term is included in the Final Term Exam).**

  
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## HISTORY/ CIVICS

There will be **one** paper of **two** hours duration carrying 80 marks and an Internal Assessment of 20 marks. The paper will be divided into **two** parts, Part I and Part II.

**Part I** (30 marks) will contain short answer questions set from the entire syllabus.

Candidates will be required to answer **all** questions. **Part II** (50marks) will consist of Section A and Section B. Candidates will be required to answer **two** out of **three** questions from Section A and **three** out of **five** questions from Section B. The sections will correspond to these sections indicated in the syllabus.

### SECTION A: CIVICS

#### 1. The Union Legislature

Meaning of the federal set up in India.

MAY/JUNE

- (i) Lok Sabha - term, composition, qualifications for membership. Parliamentary procedures: a brief idea of sessions, quorum, question hour, adjournment and no-confidence motion. Speaker- election and functions.
- (ii) Rajya Sabha - composition, qualifications for membership, election, term, Presiding Officer. Powers and functions of Union Parliament-(legislative, financial, judicial, electoral, amendment of the Constitution, control over executive). Exclusive powers of the two Houses.

#### 2. The Union Executive

(a) The President:

SEPTEMBER/OCTOBER

Qualifications for election, composition of Electoral College, reason for in direct election, term of office, procedure for impeachment. Powers (executive, legislative, financial, judicial, discretionary and emergency)

(b) The Vice-President: Qualifications for election, term of office and powers.

### SECTION B: HISTORY

#### 1. The Indian National Movement (1857-1917)

(a) The First War of Independence, 1857

APRIL

Only the causes (political, socio-religious, economic and military) and consequences will be tested. [The events, however, need to be mentioned in order to maintain continuity and for a more comprehensive understanding.]

(b) Factors leading to the growth of Nationalism

JULY

- economic exploitation, repressive colonial policies, socio-religious reform movements (brief mention of contribution of Raja Rammohan Roy and Jyotiba Phule) and role of the Press.

**JULY Foundation of the Indian National Congress -the Indian National Association (Surendranath Banerjee) and the East India Association (Dadabhai Naoroji) as precursors. Immediate objective of the Indian National Congress-the first two sessions and their Presidents should be mentioned.**

#### The Contemporary World

(a) The First World War

APRIL

Causes (Nationalism, Imperialism, Arms Race, division of Europe and Sarajevo crisis) and Results (Treaty of Versailles, territorial arrangements, formation of League of Nations).

(b) Rise of Dictatorships

MAY

Causes for the rise of Fascism in Italy and the rise of Nazism in Germany. A comparative study of Mussolini's Fascist and Hitler's Nazi ideologies.

(c) The Second World War

AUGUST

Causes (Dissatisfaction with the Treaty of Versailles, Rise of Fascism and Nazism, Policy of Appeasement, Japanese invasion of China, Failure of League of Nations and Hitler's invasion of Poland). Brief mention of the attack on Pearl Harbour and bombing of Hiroshima and Nagasaki. Consequences (Defeat of Axis Powers, Formation of the United Nations and Cold War).

(d) United Nations

NOVEMBER

(i) The objectives of the U.N.

The composition and functions of the General Assembly, the Security Council, and the International Court of Justice.

(ii) Major agencies of the United Nations: UNICEF, WHO and UNESCO-functions only.

(e) Non-Aligned Movement

DECEMBER

Brief meaning; objectives; Panchsheel; role of Jawaharlal Nehru; Names of the architects of NAM.

UNIT TEST: 1 The First War of Independence, 1857

## 2. The First World War

**PROJECT TOPIC:** JAMES BROWN-RAMSAY: EARL OF DALHOUSIE. (LIFE-CAREER AND HIS POPULAR ACHIEVEMENTS)

DATE OF SUBMISSION: 15<sup>th</sup> JULY, 2023


MID TERM EXAM: All Chapters Taught In The Mid Term.

FINAL TERM EXAM: All Chapters Taught In Mid Term And Final Term.

FINAL TERM UNIT TEST: The President and The Vice President.

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## COMPUTER

  
The Principal  
ST. XAVIER'S SCHOOL  
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RANCHI - 834 002, JHARKHAND

TERMS	MONTH	CHAPTERS	Exam. Topics
MID TERM	April	Introduction to Java OOP: Elementary concepts of objects and classes. .	All topics taught in first term  Syllabus for Unit Test: Chapter 1 and 2,
	May	<i>Class as a specification for objects and as an object factory. Assignment Based Programs</i>	
	June	<i>Values and types: Primitive types (like int, float, Boolean etc.) and their representation and</i>	



		<i>ranges. Operators and types of operators. Input using Scanner Class.</i>	<b>Assignment based programs</b>
	July	Decision making statements jumping and branching, various forms of if..else, if..else., switch..case	
	August	Use of ternary operators Slab Based Programs.	
	September	Mathematical Functions used in Java	
<b>FINAL TERM</b>	October	Loops : Use of for loop, while loop Use of do..while in making java program both known and unknown iterations.	All topics taught in Mid Term and Final Term
	November		
	December	Programming based on loop Program based on series, Pattern, number system ,general questions.	
	January	Programming in Java, Output Based Questions from loops	
	February	REVISION& Final Examination	
<b>Project</b>	Programming in Java(Questions will be given in class and uploaded through cutebrains)		

  
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