

ST. XAVIER'S SCHOOL, DORANDA
SYLLABUS - 2022-23

CLASS VII

ENGLISH -I

First Term

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|--|---|
| 1. Kinds of Sentences (assertive, exclamatory, imperative and Interrogative) | April (2 nd 4 th week) |
| 2. Verbs (transitive and Intransitive) | May (1 st & 2 nd week) |
| 1st Unit Test : Chapter 1 and 2 | |
| 3. Verbs of incomplete Predication | May (3 rd week) |
| 4. Preposition | May (4 th week) |
| 5. Voice (Active and passive) | July (1 st ,2 nd week) |
| 6. Adverbs | July (3 rd week) |
| 7. Essay Writing (Descriptive and Narrative) | July (4 th week) |
| 8. Letter (informal) | Aug (1 st week) |
| 9. Comprehension | Aug (2 nd week) |
| 10. Notice writing | Aug (3 rd week) |

Revision

Aug (4th week)

First term Examination- All the chapters taught in the first term.

(Sep)

Final term

- | | |
|--------------------------------------|---|
| 11. Verbs (Finite/Non Finite) | Oct (3 rd and 4 th 5 th week) |
| 12. Tenses | Nov (1 st & 2 nd week) |
| 13. Analysis of the simple sentences | Nov (3 rd & 4 th week Dec 1 st week) |
| 14. Subject verb Agreement | Dec(2 nd week) |

2nd Unit Test : i. Verbs (Finite /Non Finite)

ii. Tenses

- | | |
|--------------------------------------|--|
| 15. Adjectives Degrees of comparison | Jan (1 st week) |
| 16. Conjunctions | Jan (2 nd week) |
| 17. Direct and Indirect Narration | Jan (3 rd & 4 th week) |
| 18. Proverbs | Feb (1 st week) |
| 19. Letter Writing (Formal) | Feb (1 st week) |
| Revision | Feb (2 nd week) |

Final term- Entire Syllabus taught from April to February

Project: Adjectives Degrees of Comparison with Conversion of the sentences.

Date of submission: 22nd July

LITERATURE {English -II}

First Term:

- 1: Homesickness – Roald Dahl (April)
2. Maps- Dorothy Brown Thompson (Poetry) (April)

1st Unit Test : Chapter 1 and 2

3. The Fight –Piri Thomas (May)
5. Wandering singers—Sarojini Naidu (Poetry) (July)
6. Figures of Speech (July)
7. Night Witches (Aug)

Supplementary : A case of identity (May)

Revision for the First Term : (Aug)

First term: All the chapters taught in the First term

8. The Wolves of Cernogratz - Saki (Oct)
9. Break ,Break ,Break – Alfred, Lord Tennyson (Poem) (Oct)
10. The Little Mechanic- Nathaniel Hawthorne (Nov)
11. My Unknown Friend –Stephen Leacock (Nov)
12. The Mother Bird – Walter de la Mare (Poem) (Dec)

2nd Unit Test : i. The Wolves of Cernogratz

ii. Break, Break Break

Supplementary Reader: The Adventures of Blue Carbuncle (Jan)

Revision for the final term (Jan)

Final term - All the chapters taught in the Final term.

**Project- Life of Sarojini Naidu , her contribution in Indian National Movement,
Detailed description of her works.**

Date of Submission: 22nd July

MATHEMATICS

{PROJECT: Plane Figure :-[Triangle, rectangles, square, Parallelograms, rhombus & Circles]}

DO THE PROJECT IN THE PHYSICS PRACTICAL FILE

FIRST TERM:-{UNIT TEST CHAPTERS:- FRACTION & INTEGER & EXPONENTS}

- (1) INTEGERS:- Multiplication & properties of multiplication of integers , division of integers.
simplification using BODMAS & Removal of brackets.
- (2) FRACTION:- Types of fractions. Fundamental operation including fraction simplification
Using BODMAS. Word problem involving fractions.
- (3) EXPONENTS:- Exponential form of a number. Laws of exponents.
- (4) RATIO AND PROPORTION:- Elementary idea, concept of consequent & antecedent.
Concept of mean term, fourth proportional term. Word problems.
- (5) FUNDAMENTAL CONCEPT OF ALGEBRA:- Ex.11-A,B. Identify terms related to algebra like
constants, variables, terms coefficient of terms, like & unlike terms.
- (6).LINES AND ANGLES:- Types of angles, complementary angles, supplementary angles. Word
problem(concept of angles).Concept of parallel lines, Concept of linear pair ,corresponding angle.
Interior alternate angle, exterior alternate angle. Co-interior angle.

Basic construction of angles. Some special construction. Using compass and ruler.

(bisector of a line segment, perpendicular to a line).
- (7) DATA HANDLING:- Tabulation of data. Computation of mean, median, mode.
- (8) DECIMAL FRACTION:- Terminating& non-terminating decimals. Recurring(repeating) decimals.
Fundamental operations of decimals. Rounding-off of decimal numbers.
- (9) PERCENT AND PERCENTAGE :- Conversion of fraction or decimal fractions into percent
and vice-versa. Expressing one quantity a percentage of another. Find percentage of given
quantity.[Word problems].
- (10) PROFIT AND LOSS:- (Single transaction only.):- Concept of C.P & S.P, Overhead expenses.
Profit and Loss. Word problem based on this. [Excluding discount]

7th Maths. [2nd Unit test :-profit and loss, Simple Linear equations & congruency]

FINAL TERM:-

- (1) CONGRUENCY:- Congruency of triangle {SAS, ASA, SSS, & RHS.}
- (2) UNITARY METHOD:- (Direct & inverse variation) Basic concepts , time and work.
- (3) FUNDAMENTAL CONCEPTS IN ALGEBRA .[11 C,D,E,F]
- (4) Simple linear equations:- (including word problem) solving an equation by transposing terms ,
solving an equation with the variable on both the sides , Equations involving fractions , Word
problems.
- (5) TRIANGLES:-Types of triangle, Angle sum property. Problem based on properties of

triangle. Construction of triangle [Excluded:-Incircle and circumcircle]
- (6) PYTHAGORAS THEOREM:- Pythagoras theorem , problems based on these theorem.
- (7) MENSURATION:-Area and perimeter of rectangle , square , circle , triangle.
- (8) SIMPLE INTEREST:- Concept and simple word problems.

(9) SET THEORY:- Basic concept ,Representation of set. Cardinal number ,Equal set, equivalent set , Universal set.

(10) PROBABILITY: An experimental approach , Empirical probability and complementary events.

MONTHLY BREAK UP OF THE SYLLABUS: MATHS.(Std. VII): 2022--23

APRIL:- integers, Fractions [Till Ex:- 3E]

MAY :- Exponents,Ratio and Proportion, Fundamental concepts in Algebra [Ex:-11A,11B]

JUNE:- Line and angles. JULY:- Data Handling , Demical fraction.

AUGUST:- Percent and percentage [till Ex- 8D]

SEPTEMBER:-Profit and loss .[Excluding 9C]

October:- Congruency and Unitary method

NOVEMBER. Fundamental concepts in Algebra [Ex:- C,D,E,F], simple Linear equations.

[Including word problem]

DECEMBER:- Triangles , Pythagoras theorem.

JANUARY:- Mensuration and Simple interest.

FEBRUARY:- Set concepts, Probability & Revision.

GENERAL SCIENCE

MID TERM:-

1ST UNIT TEST- 21ST MAY 2022

MID TERM EXAM- 19TH SEPTEMBER 2022

FINAL TERM:-

2ND UNIT TEST-5TH DECEMBER 2022

FINAL TERM EXAM- 23RD FEBRUARY 2023

FIRST TERM:-

APRIL 2022

1. LANGUAGE OF CHEMISTRY
2. MOTION (NUMERICALS NOT INCLUDED; ONLY THE FORMULA FOR AVERAGE SPEED)

MAY 2022

3. TISSUES

*PORTION FOR FIRST UNIT TEST- LANGUAGE OF CHEMISTRY.

JUNE 2022

4. PHYSICAL AND CHEMICAL CHANGES.

JULY 2022

5. ENERGY
6. KINGDOM CLASSIFICATION

AUGUST 2022

7. METALS AND NON METALS
8. HEAT

SEPTEMBER 2022

9. PLANT LIFE (RESPIRATION IN PLANTS)

*PORTION FOR MID TERM EXAM:-

- i. LANGUAGE OF CHEMISTRY
- ii. MOTION
- iii. TISSUES
- iv. PHYSICAL AND CHEMICAL CHANGES
- v. ENERGY
- vi. KINGDOM CLASSIFICATION
- vii. METALS AND NON METALS
- viii. HEAT.

FINAL TERM :-

OCTOBER 2022

10. ATOMIC STRUCTURE

NOVEMBER 2022

11. ELECTRICITY AND MAGNETISM
12. HUMAN BODY- EXCRETORY SYSTEM/ NERVOUS SYSTEM

*PORTION FOR 2ND UNIT TEST:

- i. ATOMIC STRUCTURE
- ii. ELECTRICITY AND MAGNETISM

DECEMBER 2022

13. PLANT LIFE (PHOTOSYNTHESIS)

JANUARY 2023

14. SOUND
15. HEALTH AND HYGIENE
16. ELEMENTS, COMPOUNDS AND MIXTURES

*PORTION FOR THE FINAL TERM EXAMINATION:-

- i. TISSUES
- ii. METALS AND NON METALS
- iii. ATOMIC STRUCTURE
- iv. ELECTRICITY AND MAGNETISM
- v. HUMAN BODY
- vi. PLANT LIFE
- vii. SOUND
- viii. HEALTH AND HYGIENE
- ix. ELEMENTS, COMPOUNDS AND MIXTURES.

PROJECT: AIR AND ATMOSPHERE

DATE OF SUBMISSION: 14TH AUGUST 2022

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GEOGRAPHY

FIRST TERM

CHAPTER 1: TOPOGRAPHICAL MAPS (APRIL+MAY)

- Introduction Topographical maps.(2cm=1km;R.F=1:50000)
- History of Topographical Maps.
- Latitudes and longitudes.
- Importance and uses of Topographical maps
- Scale and Types of scale- Verbal, Graphical and Representative Fraction.
- Measuring distance with scale (Twine method, Divider method).
- Conventional Signs and Symbols.
- Contours (Definition and Importance).
- Colour Symbols.
- Conventional signs.(SL No:1 to16 and 17 to 31 and 34) (omit12 and 22)

CHAPTER 2: ATMOSPHERE (MAY)

- Introduction.
- Composition of Atmosphere.
- Structure of Atmosphere.
- Significance of Atmosphere.

CHAPTER 3: GREEN HOUSE EFFECT (MAY)

- Introduction.
- Causes of Green House Effect.
- Global Warming and its Causes.
- Impact of Global Warming.
- Efforts to control Global Warming.

UNIT TEST - TOPOGRAPHICAL MAPS

CHAPTER 4: ELEMENTS OF WEATHER (JULY+ AUGUST)

- Definition and difference between weather and climate.
- Temperature and factors affecting temperature.
- Heat zones of the Earth.
- Types of Heating.
- Atmospheric Pressure and factors affecting.
- Pressure Belts and Permanent Winds.
- Humidity
- Definition of Precipitation
- Types of Rainfall- Orographic, Convectional and Frontal Rainfall.

CHAPTER 5: RECORDING OF WEATHER (SEPTEMBER)

- Temperature, Atmospheric pressure, Humidity, Winds, Rain, Sunshine.
- Maps and Weather Forecast.
- Isotherms, Isohyets, Isobars.

FINAL TERM

CHAPTER 14: OCEANIA (OCTOBER+ NOVEMBER)

- Australia: Discovery, Location and Physical features.
- The Artesian Basin.
- The Great Barrier Reef.
- New Zealand.
- Map work: Location and relief map 1&2 of Australia.
- New Zealand: Location and Physical Features.

CHAPTER 15: SHEEP REARING IN AUSTRALIA (CASE STUDY).(DECEMBER)

UNIT TEST - OCEANIA.

CHAPTER 6: WEATHERING AND SOIL FORMATION. (JANUARY+ FEBRUARY)

- Weathering and Soil Formation- Introduction.
- Rocks and its types, Importance of Rocks, Weathering and its Types, Effects of Weathering.
- Soil, Factors Affecting Soil formation, Soil Profile, Soil Conservation and Improved Methods of Farming.

PROJECT WORK: SOILS OF INDIA

All the Best

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HISTORY & CIVICS

APRIL	<ul style="list-style-type: none">➤ The Foundation of Delhi Sultanate➤ The Constitution of India
MAY	<ul style="list-style-type: none">➤ The Tughlaqs, Sayyids and Lodis➤ UNIT TEST
JULY	<ul style="list-style-type: none">➤ India under Delhi Sultanate
AUGUST	<ul style="list-style-type: none">➤ Beginning of Mughal Rule in India➤ Fundamental Rights & Duties
SEPTEMBER	<ul style="list-style-type: none">➤ Revision➤ FIRST TERM EXAM
OCTOBER	<ul style="list-style-type: none">➤ Akbar the Great: A case study
NOVEMBER	<ul style="list-style-type: none">➤ The Later Mughals➤ Directive principles of State Policy
DECEMBER	<ul style="list-style-type: none">➤ Making of Composite Culture – Bhakti and Sufi Movement➤ UNIT TEST
JANUARY	<ul style="list-style-type: none">➤ Revision
FEBRUARY	<ul style="list-style-type: none">➤ FINAL EXAM

Project Work –

“Policies of Akbar”

- Friendship with Rajputs
- Mansabdari System
- Revenue System
- Religious Policy

Portion for 1st Unit Test - The foundation of Delhi Sultanate, The Constitution of India

Portion for 1st Term Exam – All the chapters taught in the First Term

Portion for 2nd Unit Test - Akbar the Great: A case study

Portion for Final Exam - The Tughlaqs, Sayyids and Lodis, The Constitution of India and all the chapters taught in the Final Term.

Date of Submission of Project – 8th July 2022.

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COMPUTER

UNIT TEST

CHAPTER 1 - Introduction to Operating System

- Objectives of an OperatingSystem
- Functions of an OperatingSystem
- Types of OperatingSystem
- UserInterface

FIRST TERM

CHAPTER 1 - Introduction to Operating System CHAPTER 5 - Coding Programs

- Components of aProgram
- DataTypes
- Declaration and Initialisation ofVariables
- Operators
- Compiling and Executing aProgram

CHAPTER 6 – INTRODUCTION TO C++

- Introduction toC++
- Working inC++
- Turbo C++window
- Saving aProgram
- Executing aProgram
- Cout, \n,\t,
- Programs using assignment(=)
- Keyboard input (usingcin)
- Arithmetical operators (+, -, *, /,%)

INTRODUCTION TO SPREADSHEET (MS EXCEL)

Parts of an MS EXCEL, Selecting Cells, Entering Data, Undo- Redo, Deleting Cell contents, Copying and Moving Cell contents, Inserting rows and columns, Deleting Rows and columns, AutoFill.

FINAL TERM

CHAPTER 2 - Using Formulae and Functions in Spreadsheet

- Cell and RangeReferences
- Types of CellReferences
- Formulae
- Functions
- The Insert Function DialogBox

CHAPTER 7 – Developing Applications

- Uses ofapplication
- Types ofApplications
- Developing anapplication.

PROGRAMMING IN C++

- Usingmath.h
- Decision making (if, if-else,if-else-if)

CHAPTER 8 - Using Networks

- Computer Networking: Types andDevices
- MAN (Metropolitan Area Network), PAN (Personal Area Network), Campus Area Network (CAN), URL, Modem (Modulator-Demodulator), Web Portal, TCP/ IP, SMTP, Hub, Switch, Router, Hyperlinks, IP Address, ISP, FTP, Web Page, Website, HTTP, Cloud Computing, Storing and sharingdata

PROJECT: 20 C++ PROGRAMS

HINDI

First Term

Section A (40 Marks)

साहित्य - अंकुश

व्याकरण - आओ व्याकरण सीखें

भाषा

1. निबंध - देश-प्रेम, क्रिसमस, परोपकार, गणतंत्र दिवस, पर्यावरण
2. चित्र लेखन
3. पत्र लेखन- क) औपचारिक ख) अनौपचारिक
4. भाव-ग्रहण
5. व्यावहारिक व्याकरण: (इसके अतिरिक्त पाठ अंकुश में आए व्यावहारिक व्याकरण पर भी ध्यान देना अनिवार्य है।)

विलोम	-	1-45
पर्यायवाची	-	1-30
वाक्यांश	-	1-35
अनेकार्थी शब्द	-	1-23
युग्म शब्द	-	1-22
मुहावरा	-	1-30
लोकोक्ति	-	1-15
तद्भव से तत्सम	-	1-21

संज्ञा से भाववाचक एवं विशेषण बनाना

Section B (40 Marks)

साहित्य

1. चेतक
2. टिकट अलबम
3. मॉ के नाम नेताजी का पत्र
4. हार की जीत
5. आत्मविश्वास
6. मिठाईवाला

व्याकरण

1. संधि -परिभाषा, भेद, उदाहरण, संधि-विच्छेद,
2. विशेषण-परिभाषा, भेद, उदाहरण, विशेष्य-प्रविशेषण

तृतीय पत्र (अंक 100)

1. सुलेख - (10 अंक)
2. अनुच्छेद लेखन - (10 अंक)
3. वर्तनी - (10 अंक)
4. शब्दार्थ - (10 अंक)
5. व्यक्तित्व स्पर्धा - (60 अंक)

Unit Test -संधि, चेतक, टिकट अलबम

परियोजना कार्य -जीवन में समाचार पत्र का महत्व

2nd Term

Section A (40 Marks)

साहित्य - अंकुश

व्याकरण - आओ व्याकरण सीखें

भाषा

1. निबंध -बाल श्रम
2. पत्र लेखन- क) औपचारिक ख) अनौपचारिक
3. भावग्रहण
4. चित्र लेखन
5. व्यावहारिक व्याकरण

विलोम	-	46-90
पर्यायवाची	-	31-60
वाक्यांश	-	36-70
अनेकार्थी शब्द	-	24-47
युग्म शब्द	-	23-44
मुहावर	-	31-60
लोकोक्ति	-	16-31

तदभव से तत्सम

22-44

भाववाचक संज्ञा बनाना

विशेषण

Section B (40 Marks)

साहित्य

1. वह तोड़ती पत्थर (कविता)
2. ईदगाह
3. सुनहरे कल की खोज
4. जगाओ (कविता)
5. आत्मविश्वास
6. जब मैं हनुमान बना

व्याकरण

1. काल-परिभाषा, भेद, उदाहरण
2. क्रिया-परिभाषा, भेद, उदाहरण
3. क्रिया-विशेषण, परिभाषा, भेद, उदाहरण
4. उपसर्ग-परिभाषा, भेद, उदाहरण, उपसर्ग के द्वारा नये शब्द

तृतीय पत्र

1. सुलेख - 10 अंक
2. अनुच्छेद लेखन - 10 अंक
3. वर्तनी - 10 अंक
4. शब्दार्थ - 10 अंक
5. व्यक्तित्व स्पर्धा - 60 अंक

Unit Test – 1) वह तोड़ती पत्थर 2) औपचारिक पत्र का प्रारूप 3) व्यावहारिक व्याकरण
