

St Patrick's Junior College

Half Yearly Syllabus for 2024

Class 6

English Language

L-1 Sentence

L-2 Subject and Predicate

L-3 Kinds of Noun

L-4 Noun - Number

L-5 Noun - Gender

L-6 Adjectives

L-7 Adjectives - Degree of Comparison

L-8 Articles

ESSAY WRITING

NOTICE WRITING

INFORMAL LETTER

COMPREHENSIVE PASSAGE or UNSEEN PASSAGE

English Literature

1.Paper Boats

2.The Diamond Necklace

3.The Lost Child

4.Poem - Keep Going

5.The Last Leaf

Novel Ch - Little Women

(Chapter 1 to 5)

Idioms: 1 to 25

Science

Phy- Ch-1-Matter

Ch 2-Physical Quantities & Measurements-1

Ch 3- Physical Quantities & Measurements-2

Chem-Ch1-Introduction to chemistry

Ch 2-elements compounds and mixtures

Ch 3-Matter

Bio- Ch -1-The leaf and flower (till pg 23)

Ch 2-The cell

Ch3-the human body-Digestive system

Mathematics

1. Number System

2. Operations on Whole Number

3. Integers

4. Fractions

8. Ratio and Proportion

9. Unitary Method

10. Percentage

12. Fundamental concepts of Algebra

14. Fundamental Geometrical Concepts

15. Angles

16. Triangles

24. Data Handling

25. Graphical Representation of Data

History

Chap1-Mesopotamian civilization

Chap3- Harappan civilization

Chap4- Chinese civilization

Chap5- Early Vedic age

Chap6- Later Vedic age

Civics

Chap1- Rural Local Self- Government

Geography

Ch 1- Representation of Geographical features

Ch 2- Major landforms of the Earth

Ch3- Major Water bodies of the Earth

Ch 4- Agricultural

Ch5- Minerals

World Physical map

Computer

Ch1: Computer languages and types of computers

Ch 2: File Management

Ch 4: Tables in Google Docs

Ch 5: Mail merge using Google Docs

Programming in Java

Scratch

Hindi

- 1 वह देश कौन सा है
- 2.घीसा
- 3.साइकिल की सवारी
4. खिलौने वाला
- 5.जवाहरलाल नेहरू का पत्र
- 6.पन्ना धाय

व्याकरण

- 1.लिंग
- 2.वचन
- 3.कारक
- 4.सर्वनाम
- 5.विशेषण
- 6.पर्यायवाची शब्द
- 7.विलोम शब्द
- 8.मुहावरे

9.निबंध

Sanskrit

लट्लकार-

1.प्रथम पुरुष

2 मध्यम पुरुष

3 उत्तम पुरुष

लृट लकार

1.प्रथम पुरुष

2.मध्यम पुरुष

3.उत्तम पुरुष

शब्द रूप

1.छात्र

2.राम

धातु रूप

भू तथा गम के लट् तथा लृट लकार

सूक्तियां के अर्थ

General Knowledge

Ch 1 to 34

Current Affairs [June to August]

Based on Olympics ,Politics and Entertainment.

Art

Fruit composition

Vegetable composition

Still life

Land scape

Tree

Class 7

English Language

Ch1-The sentence

Ch2-Nouns

Ch3- Adjectives

Ch4 -Articles

Ch5 -Phrases

Ch6 -Tenses

Present Tense,Past Tense and Future Tense

Informal Letter writing

Notice writing

Essay writing

Reading Comprehension

English Literature

- 1.The Road not taken (Poem)
- 2.Big brother
- 3.The lion whisperer
- 4.The cherry tree(Poem)
- 5.A spark neglected burns the house

Novel - Macbeth

Idioms: 1 to 25

Physics

Ch-1 measurement

Ch-2 motion

Ch-3 speed velocity acceleration

Ch4 energy

Ch 5 light

Chemistry

Ch 1 matter

Ch 2 physical and chemical change

Ch 3 elements compounds mixtures

Ch 4 atomic structure

Biology

Ch1: Tissues

Ch 2: Five kingdom classification

Ch 3: Kingdom Animalia

Ch 6: The human body- Excretory System

Mathematics

1. Integers
2. Fraction
3. Decimals
4. Ratio and Proportion
5. Unitary Method
6. Percentage
7. Profit and Loss
8. Algebraic Expressions
9. Fundamental Geometrical Concept
10. Lines and Angles
11. Mensuration (a,b& c)
12. Data Handling
13. Probability

History & Civics

- Ch-1 The Birth of Christianity
- Ch-2 Islam and it's impact on the middle East
- Ch- 4 The Mamluk dynasty
- Ch-5 The Khalji dynasty
- Ch-6 The Tughlaq dynasty
- Ch-7 Life under the Delhi sultanate

Civics

- Ch-1 The Making of Our Constitution

Geography

- Chap1- Representation of geographical features

Chap2- Atmosphere

Chap 4-Weathering and Soil formation

Chap 5- Industries

Chap7- Europe

Case Study: - Tourism in Switzerland

Map of Europe

Computer

Ch 1: Computer Hardware

Ch 2: Number System

Ch 3: Computer Virus

Ch 5: Introduction to Spreadsheet

Ch 6: Editing and formatting data using Google sheets

Programming in java

Hindi

पाठ 3 दांत की पीड़ा

पाठ 4 सुलेख का महत्व

पाठ 5 कर्मवीर

पाठ 6 महान विभूति: डॉ राजेंद्र प्रसाद

पाठ 7 मातृभूमि का मान

पाठ 8 स्वास्थ्य ही जीवन है

पाठ 9 चंद्रशेखर आजाद

व्याकरण वचन, कारक, सर्वनाम, लिंग, भाववाचक संज्ञा, विशेषण, मुहावरे (1-12),
पर्यायवाची शब्द, विलोम शब्द,

निबंध

**For Example- (Van tatha paryavaran, svadesh prem, vyayam ka laabh, pahadi
sthan ki yatra , pustakalya)(other topics can also be asked)**

Sanskrit

पाठ 4 लोट लकार

पाठ 5 विधिलिङ लकार

पुनरावृत्तिपरीक्षणम्

पाठ 6- मम विद्यालय

पाठ 7- गर्दभस्य गीतम्

पाठ 8-संस्कृतभाषायाः महत्त्वम्

पाठ 9- सुभाषितानि

शब्द रूप-

अस्मद् तथा युष्मद्

धातु रूप -भू धातु पांचौ लकार

सूक्तियां का अर्थ

General Knowledge

Chapter 22 to 33

20 current affairs [April 2024 to August 2024]

Art

Water bottle

2 birds

Lady Bird

Flower vase

Class 8

English Language

Chapter 1 - Articles & Determiners

Chapter 2 - Verbs : Expressing The Present

Chapter 3 - Verbs : Expressing The Past

Chapter 4 - Verbs : Expressing The Future

Chapter 5 - Verbs : Modals

Chapter 8 - Subject - Verb Agreement

Chapter 9 - Verbs : Active and Passive Voice

Essay Writing

Notice Writing

Informal Letter Writing

Comprehension Passage

English Literature

1.The Lotus(Poem)

2.The Time Machine

3.The Old man and the Sea

4.In the Baazars of Hyderabad (Poem)

5. The Gift of Magi

Novel: The Merchant of Venice

Idioms : 1 to 25

Physics

ch 1 kinetic molecular theory

Ch 2. Measurement of volume and density

Ch 3. Force and pressure

Ch 4 work energy power

Ch 5 light

Chemistry

1. Kinetic molecular theory of matter

2. physical and chemical changes

3. elements compounds and mixture

4. atomic structure

5. language Of Chemistry

Biology

Ch1: Transport of nutrients in plants

Ch 2: Reproduction in plants and animals

Ch 6: The nervous system

Ch 7: Health and hygiene

Mathematics

1. Rational Numbers

2. Exponents and Powers

3. Squares and square roots, cubes and cube roots.

4. Percentage

5.Ratio and Proportion

6.Fundamental Concepts and Operations on Algebraic Expressions

7.Algebraic Identities

8.Quadrilaterals

9.Three Dimensional Solids

10.Statistics

11.Graphical Representation of Data

History & Civics

Chap-1 A period of transition

Chap-2 The Age of Revolutions

Chap-3 The American civil war

Chap -4 Nationalism in Europe

Chap -5 The Decline of the Mughal Empire

Chap-6 The rise of autonomous regional kingdoms

Chap-7 Anglo-French Rivalry in Carnatic

Chap-8 The Conquest of Bengal

Civics

Chap1- The legislature and the Executive

Chap2- The Judiciary

Geography

Chap2- Population Dynamics

Chap3- Migration

Chap4-Urbanization- Causes and Effects

Chap5- Disasters -Natural and Human Made

Chap6- Asia - Land, Climate and Natural Vegetation

Physical Map of Asia

Conventional Signs and Symbols

Computer

Ch 1: Operating system

Ch 2: Computer Networks

Ch 3: Computational algorithm thinking

Ch 5: Formulas and functions in Google sheets

Ch 6: Data visualisation using Google sheets

Programming in java

Hindi

अध्याय 3: भोलाराम का जीव

अध्याय 4: क्या निराश हुआ जाए

अध्याय 5: सच्चा तीर्थयात्री

अध्याय 6: रानी लक्ष्मीबाई

अध्याय 7: श्री राम की बाल लीलाएँ

अध्याय 8: चाँदी का जूता

अध्याय 9: सात सहेलियाँ

Hindi Language

1. संज्ञा

2. लिंग

3. वचन
4. कारक
5. सर्वनाम
6. विशेषण
7. विलोम शब्द (चढ़ाव तक)
8. मुहावरे (1 से 15 तक)
9. पर्यायवाची (1 से 30 तक)
10. निबंध

For Example-(Svatantrata divas, rashtriya ekta, computer, dharti ke upkar, lit book page no. 54)(other topics can also be asked)

Sanskrit

- अध्याय 4: ईश्वरः यत •करोति शोभनं करोति
- अध्याय 5: प्रियं भारतम्
- अध्याय 6: ग्रामजीवनम्
- अध्याय 7: वीरांगना महारानी लक्ष्मीबाई
- अध्याय 8: समयस्य महत्त्वम्
- अध्याय 9: पुनः मूषकः भव

- शब्दरूप एतत् तीनो लिंग (given on page number 126 and 127)
- धातु रूप अस पञ्च लकाराः (given on page number 134)

- पुनरावृत्ति परीक्षणम् (given on page number 36,37and 38)
- सूक्तियों के अर्थ

General Knowledge

Chapters 1 to 33

Current events from April 2024 to September 2024

Art

Five vegetables

rose flower

two birds

landscape

tortoise

Class 9

English Language

- Composition Writing
- Letter Writing
- Notice
- E-mail Writing
- Grammar Exercises

English Literature

Short Story -

- 1) Bonku Babu's Friend
- 2) Oliver Asks for More

3) Home coming

Poem -

1) The Night Mail

2) Skimbleshanks: The Railway Cat

3) I Remember, I Remember

DRAMA

Julius Caesar - Act 1

Physics

1.Measurement and Experimentation,

2.Motion in one Dimension,

3.Laws of Motion,

4.Fluids(Pressure and Upthrust).

Chemistry

1.language of Chemistry

2.chemical changes and reactions

3.water

4.atomic structure and

Practical work

Biology

1. Introducing Biology

2. Cell: The Unit of Life

3. Tissues: Plant and Animal Tissues

4. The Flower
5. Pollination and Fertilization
6. Seeds-- Structure and Germination
7. Respiration in Plants
8. Five kingdom Classification
10. Nutrition
18. Health Organisations
19. Waste Generation and Management

Mathematics

- 1.Expansions
- 2.Factorisation
- 3.Simulatneous Equations
- 4.Problems on Simultaneous Equations
- 5.Triangles
- 6.Mid point Theorem
- 7.Pythagoras Theorem
- 8.Trigonometrical Ratios
- 9.Co-ordinate Geometry.

History & Civics

1. Harappan Civilization
2. The Vedic Period
3. Jainism and Buddhism
4. The Mauryan Empire
5. The Sangam Age

6. Golden Age the Guptas
7. Medieval India: South India and the Chola
8. Medieval India: The Delhi Sultanate
9. The Mughal Empire

Civics

1. Our Constitution
2. Basic features of the Constitution
3. Fundamental Rights and Duties
4. Directive Principles of State Policy
5. Elections

Geography

1. Earth as a Planet
2. Latitudes and Longitude
3. Rotation and Revolution
4. Earth's structure
5. Landforms of the Earth
6. Rocks and rock cycle
7. Volcanoes
8. Earthquakes
9. Weathering and Denudation
10. Tides and Ocean Currents
11. Map Pointing

Computer

Ch1: Object oriented programming

Ch 2: Elementary concepts of objects and classes

Ch 3: Values and data types

Ch 5: Input in Java

Ch 7: Decision making statements

Ch 8: Iterative constructs in Java

Hindi

Baat athani ki

Kaki

Mahayagya ka puraskar

Netaji ka chashma

Girdhar ki kundliyan

Swarg bana sakte hai

Vo janmabhumi meri

Vyakran

Sarvnaam

Visheshan

Kriya

Kriya visheshan

Tatsam tadbhav

Paryayvachi

Patr(pradhanacharya ko patr)

Apathith gadyansh

Nibandh

Economics

CH-1 MEANING AND DEFINATION OF ECONOMICS

CH-2 BASIC ECONOMIC ENTITIES IN AN ECONOMY

CH-3 BASIC PROBLEMS OF AN ECONOMY

CH-4 TYPES OF ECONOMIES

CH-5 CHARACTERISTICS OF INDIAN ECONOMY

CH-6 MAIN SECTORS OF INDIAN ECONOMY:Agriculture

CH-13 GLOBALISATION

Home Science

Unit 1 concept and Scope of Home Science

Unit 2 Food and Health and Nutrients and their functions.

Unit 3. Growth and development.

Unit 4.. colour and it's Application

Class 10

Mathematics

1. GST

2. Banking

3. Shares and dividends

4. Linear Inequations

5. Quadratic Equations

6. Matrices

7. Similarity

8. Circles

9. Trigonometrical Identities
10. Trigonometric Tables
11. Heights and Distances.
12. Probability
13. Measure of Central Tendency

History & Civics

1. The First War of Independence
2. Factors Promoting Growth of Nationalism and foundation of India National Congress
3. Programme and Achievements of the Early Nationalist (Moderate)
4. Partition of Bengal: The rise of Assertive Nationalism
5. Formation of Muslim League
6. Mahatma Gandhi and the National Movement during the World War I)
7. Mahatma Gandhi and the National Movement
8. The National Movement (1935-42)- The Quit India Movement and INA
9. The Last Phase Independence and Partition of India(1942-1947)
10. The First World War (1914-1918)

Civics

1. The Union Parliament
2. The Union Executive
3. Prime Minister, Council of Ministers and the Cabinet.

Geography

3. Location extent and Physical features (Maps and Survey Maps)

4. Climate
5. Soil resources
6. Natural Vegetation
7. Water Resources
8. Mineral and Energy Resources-I
9. Mineral and Energy Resources-II
10. Agriculture in India -I: Introduction

Chapter 1 to 2 will be done as part of ordnance survey map practice (toposheet)

Computer

Ch1: Recap of Object oriented programming

Ch 2: Recap of programming using conditions and Iteration

Ch 3: Class as the basis of all computations

Ch 4: User defined methods

Ch 8: Introduction to arrays

Ch 9: String handling

Hindi

Baat athani ki

Kaki

Mahayagya ka puraskar

Do kalakar

Sandeh

Neta ji ka chashma

Poems

Sakhi

Girdhar ki kundliyan

Vo janmabhumi meri

Matrumandir ki or

Swarg bana sakte hai

Soor ke pad

Chalna hamara kaam hai

Vyakran

Upsarg

Pratyay

Anekarthi

Vilom shabd

Patr

Apathith gadyansh

Nibandh

Economics

- 1. Elementary theory of demand.**
- 2. Elasticity of demand**
- 3. Theory of supply**
- 4. Factors of production**
- 5. Nature and structure of markets**

Home Science

Unit 1 Home Management

- a) Budgeting and savings.
- b) Home furnishing
- c) Space organisation

Unit 2. Growth and development.

Unit 3. Meal Planning and diet planning

Chemistry

1.Periodic table ,periodic properties and variation of properties

2.chemical Bonding

3.Acids, bases and salts

5 . Mole concept [A and B section excluding mole concept]

8.hydrogen chloride

9.ammonia

10.sulphuric acid

PRACTICAL WORK

Biology

Ch-2. Structure of Chromosomes, Cell Cycle and Cell Division.

Ch-3. Genetics- Some Basic Fundamentals.

Ch-4. Absorption by Roots- The Processes Involved.

Ch-5. Transpiration.

Ch-6.Photosynthesis.

Ch-7. Chemical Coordination in Plants.

Ch-9. Excretory System.

Ch-12. The Endocrine System.

Ch-16. Pollution- A Rising Environmental Problem.

Physics

1. Force, Work, Energy and Power,

2. Machines,

3. Refraction of Light through plane and curved (lenses) surfaces,

4. Refraction of Light through Prism and Dispersion.

5. Electromagnetic Spectrum,

6. Sound Waves.

English Literature

1) With the Photographer

2) The Elevator

3) The girl who can do

Poem -

1) Haunted Houses

2) The Gloves and the Lions

3) When great trees fall

DRAMA

Julius Caesar - Act III and Act IV

English Language

■ Composition Writing

■ Letter Writing

- Notice
- E-mail Writing
- Grammar Exercises

Class 11

English Language

- Composition Writing
- Proposal Writing
- Review Writing (Cultural, Report, Movie and Book)
- Grammar Exercises

English Literature

Prose

- 1) A Living God
- 2) Advice to Youth
- 3) The Paper Menagerie

Poem -

- 1) Abhisara - The Tyrst
- 2) Why I Like the Hospitals
- 3) Sonnet 116

DRAMA

Macbeth Act I

Commerce

1. Classification of human activities-Economic and Non-Economic
2. Nature and the Objectives of Business
3. Classification of Business Activities
5. Sole Trader
6. Partnership
7. Joint Stock Company
8. Types of Companies
9. Formation of Company
10. Public Enterprises, Public Utilities, and Public-Private Partnerships
11. Cooperative Organisation

Accounts

JOURNAL

LEDGER

TRIAL BALANCE

GST

CASH BOOK. SIMPLE,

PETTY CASH BOOK

FINAL ACCOUNTS WITHOUT ADJUSTMENT

DEPRECIATION WITHOUT MAINTAINING PROVISION ACCOUNT

Physics

1. Physical World and Measurement,

2. Kinematics,

- 3.Laws of Motion,
- 4.Work, Energy and Power,
- 5.Rigid Body Motion,
- 6.Gravitation.

Chemistry

- 1.Some basic concepts of Chemistry
- 2.structure of atom
- 3.classification of elements and periodicity in properties
- 4.chemical Bonding
5. Redox reactions[till Oxidation number]

Practical syllabus : Salt Analysis

Lab manual

Project

Biology

1. The Living World
2. Biological Classification
3. Plant Kingdom
4. Animal Kingdom
5. Morphology of Flowering Plants
6. Anatomy of Flowering Plants
7. Animal Tissues, Morphology and Anatomy of Frog
8. Cell: The Unit of Life
10. Cell Cycle and Cell Division

Mathematics

1. Arc and Arc lines
2. Trigonometric Functions
3. Compound and Multiple Angles
4. Complex Number
5. Inequalities
6. Straight Lines
7. Circles

Computer

UNIT 1: BASIC COMPUTER HARDWARE AND SOFTWARE

UNIT 2: INTRODUCTION TO OBJECT ORIENTED PROGRAMMING USING JAVA

Hindi

Gadya sankalan

Putra prem

Gauri

Sharanagath

Kavya manjari

Sakhi

Bal leela

Ek phool ki chaah

Aashad ka ek din (ank 2)

Vyakran

Muhavre

Ashudh shudh

Apathith gadyansh

Nibandh

Economics

1. Definition of Economics

2. Basic Concepts Of Economics

3. Basic Problems Of an Economy

4. Types of Economy

5. Solutions to the Basic Economic Problem under different Economic Systems

6. Economic Growth and Development

7. Parameters of Development

18. Measures of Central Values

Home Science

Unit 1 Concept and scopes of Home Science

Unit 2 Food and Nutrition

Unit 3 Resource Management

Unit 4. Food Storage and Preservation

Class 12

English Language

■ **Composition Writing**

■ **Proposal Writing**

■ **Review Writing (Cultural, Report, Movie and Book)**

■ **Grammar Exercises**

English Literature

- 1) Atithi/Guest
- 2) The Cookie Lady
- 3) There will come soft rains

Poem -

- 1) Telephone Conversations
- 2) Tithonus
- 3) Beethoven

DRAMA

Macbeth Act III and Act IV

Commerce

Ch 1 Business Environment

Ch 2 Capital Fixed and Working

Ch 3 Sources of Finance For A Joint Stock Company

Ch 4 Banking Latest Trends

Ch 5 Management Meaning, Nature and Importance

Ch 6 Principles of Management

Ch 7 Functions of Management and Coordination

Ch 8 Planning

Ch 9 Organising

Accounts

Issue of shares

Issue of debentures

Redemption of debentures

Financial statement of company

Common size statement

Comparative statement

Cash flow statement

Physics

1.Ray Optics,

2.Wave Optics,

3.Static Electricity,

4.Current Electricity.

Chemistry

1.chemical kinetics

2.solid state

3.haloalkane and haloarenes

4.Alcohol Phenols and Ethers

5.d and f block elements

Practical syllabus:

Salt Analysis

Volumetric Analysis

Lab manual

Project

Biology

2. Sexual Reproduction in Flowering Plants

3. Human Reproduction

4. Reproductive Health

5. Principles of Inheritance and Variation

7. Origin of Life

8. Evolution

9. Evolution of Man

10. Human and Diseases

Mathematics

1. Inverse Trigonometric Functions

2. Matrices

3. Determinants

4. Continuity and Differentiability

5. Differentiation

6. Integral- I

7. Integral- II

8. Integral- III

9. Relations and Functions.

Computer

Ch 1: Boolean Algebra

Ch 2: Computer Hardware

Ch 3: Implementation of Algorithms

Ch 4: Objects and Classes

Ch 6: statements and scope

Ch 7: string manipulations

Ch 8: Arrays

Ch 9: Methods

Ch 10: Constructors

Ch 11: Recursion

Ch 12 Inheritance

STACKS Queues and Trees

Hindi

Gadya sankalan

Dasi

Sanskriti kya hai

Kya niraash hua jaaye

Bhaktin

Kavya manjari

Badal ko ghirte dekha hai

Andhere ka deepak

Jaag tujhko door jaana hai

Udyamee nar

Aashad ka ek din (ank 2)

Vyakaran

Ashudh shudh

Muhavre

Apathith gadyansh

Nibandh

Economics

Ch 2 Demand and Law of Demand

Ch 3 Theory of Consumer Behaviour Marginal Utility and Indifference Curve

Ch 4 Elasticity of Demand

Ch 5 Supply Law of Supply and Price Elasticity of Supply

Ch 6 Market Mechanism Equilibrium Price and Equilibrium Quantity in a Competitive Market

Ch 7 Laws of Returns Return to a Factor and Returns to Scale

Ch 8 Cost and Revenue Analysis

Ch 9 Forms of Market

Ch 10 Producer's Equilibrium

Ch 11 Determination of Equilibrium Price and Output Under Perfect Competition

Ch 12 Theory of Income and Employment

Home Science

Unit 1 Principles and advanced methods of cooking.

Unit 2 Clinical Dietary treatment (therapeutic diets)

Unit 3. Meal planning(principles of meal services and different styles of table settings)

Unit 4 Resource Management (money management)

Unit 5. Consumer Education and protection.

