

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS X COMMERCE
ACADEMIC SESSION 2023 - 24
ENGLISH LANGUAGE

PRESCRIBED TEXTBOOK: TOTAL ENGLISH (IX)

| HALF YEARLY | | ANNUAL | |
|-------------------|---|-------------------|--|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1 | Articles; Composition; notice and Email; Practice Paper 1 | 9 | Conditional Sentences; Argumentative Composition; Letters of Complaint; Practice Paper 9 |
| 2 | Agreement of Verb with Subject; Subject Matter and its Organisation; Personal Letters; Practice Paper 2 | 10 | Interchange of Sentences; Critical Composition; Summary Writing; Practice Paper 10 |
| 3 | Time and Tense I; Style; Formal Letters; Practice Paper 3 | 11 | Comparison of Adjectives; Characters; Summary Writing-- Objectives; Practice Paper 11 |
| 4 | Time and Tense II; Beginning and Ending; An Approach to Comprehension; Practice Paper 4 | 12 | Transformation of Sentences I; Stories; Selective Summary; Practice Paper 12 |
| 5 | The Sequence of Tenses; Paragraph Writing; Comprehension-- Words in Context; Practice Paper 5 | 13 | Transformation of Sentences II; Picture Composition; Invitations; Practice Paper 13 |
| 6 | Direct and Indirect Speech; Types of Essays; Applications; Practice Paper 6 | 14 | Synthesis of Sentences; Humorous Writing; Letters of Persuasion; Practice Paper 14 |
| 7 | Prepositions; Narrative Composition; Letters to Newspapers; Practice Paper 7 | 15 | Word Order; Factual Writing; Letters of Apology and Explanation; Practice paper 15 |
| 8 | Active and passive Voice; Description; Precision in Comprehension; Practice Paper 8 | | |
| | Essay Test; Oral and Aural Assessment;ELSA | | Essay Test; Oral and Aural Assessment; ELSA |

Financial
Literacy
Activity
(ELSA)

We often get warnings that come over SMSes and in newsprint about not sharing information regarding details of our account. Narrate an experience that a relative of yours has gone through whereby he / she had shared the account details and suffered as a result.

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
ENGLISH LITERATURE
PRESCRIBED TEXTBOOKS: JULIUS CAESAR AND TREASURE CHEST**

| HALF YEARLY | | ANNUAL | |
|-----------------------|---|-----------------------|---|
| CHAPTER | TOPICS | CHAPTER | TOPICS |
| Treasure Chest | 1. Bonku Babu's Friend 2. The Night Mail 3. Skimbleshunks: The Railway Cat 4. Oliver Asks for More 5. I Remember, I Remember 6. The Model Millionaire | Treasure Chest | 1. A Doctor's Journal Entry for August 6, 1945 2. Homecoming 3. A Work of Artifice 4. The Boy who Broke the Bank |
| Julius Caesar | Act I Scenes I, II and III Project: 'Millionaire models,' remarked Alan, 'are rare enough but model millionaires are rarer.' Discuss the significance of this statement by referring closely to the short story 'The Model Millionaire'. Submission date: on or before 16.08.2023 | Julius Caesar | Act II Scenes I, II, III and IV Project: With close reference to the play 'Julius Caesar' discuss the conspiracy leading to the murder of Caesar. Submission date : on or before 30.11.2023 |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS - IX
ACADEMIC SESSION 2023 - 24
SUBJECT NAME - HINDI
PRESCRIBED TEXT BOOK - साहित्य सागर, एकांकी संचय , आदर्श हिंदी व्याकरण

| HALF YEARLY | | ANNUAL | |
|--|--|--|--|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1 | साखी- कबीरदास | 6 | वह जन्मभूमि मेरी -सोहनलाल द्विवेदी |
| 2 | स्वर्ग बना सकते हैं- रामधारी सिंह दिनकर | 7 | सूर के पद -सूरदास |
| 3 | संस्कार और भावना- विष्णु प्रभाकर | 8 | संस्कार और भावना विष्णु प्रभाकर |
| 4 | मेघ आए- सर्वेश्वर दयाल सक्सेना | 9 | बहू की विदा- विनोद रस्तोगी |
| 5 | बहू की विदा -विनोद रस्तोगी | 10 | गिरधर की कुंडलियां गिरिधर कविराय |
| | | 11 | मेघ आए सर्वेश्वर दयाल सक्सेना |
| | | 12 | भिक्षुक निराला |
| | | 13 | मातृभूमि का मान हरि कृष्ण प्रेमी |
| व्याकरण | पर्यायवाची शब्द विलोम शब्द मुहावरे संज्ञा से विशेषण भाववाचक संज्ञा पत्र लेखन अपठित गद्यांश निबंध लेखन | व्याकरण | पर्यायवाची शब्द विलोम शब्द मुहावरे संज्ञा से विशेषण भाववाचक संज्ञा पत्र लेखन अपठित गद्यांश निबंध लेखन |
| PROJECT TOPICS: भारतीय तथा पाश्चात्य संस्कृति, चित्र अध्ययन , समाचार पत्रों के माध्यम से | | PROJECT TOPICS :सूरदास का जीवन परिचय देते हुए कृष्ण के बाल लीला का वर्णन,वीर सिंह का चरित्र चित्रण | |
| Project submission date 1st project :on or before | | 31.08.23 | |

Final :on or before

30.11.23

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS - IX
ACADEMIC SESSION 2023 - 24
SUBJECT NAME - BENGALI
PRESCRIBED TEXT BOOK - SONKOLITA

| HALF YEARLY | | ANNUAL | |
|---|--|----------------------------|--|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1/Prose | গিনি | 4/Prose | ক্যানভাসার |
| 2/Prose | লালু | 5/Prose | নাম |
| 3/Prose | বামা | 6/Prose | অসহযোগী |
| 1/Poem | বঙ্গভূমির প্রতি | 4/Poem | আবার আসিব ফিরে |
| 2/Poem | সভ্যতার প্রতি | 5/Poem | সিঁড়ি |
| 3/Poem | কুলি মজুর | 6/Poem | রবীন্দ্রনাথের প্রতি |
| Grammar/Composition | রচনা লিখন পত্র লিখন বোধপরীক্ষণ বাগধারা এক কথায় প্রকাশ সমার্থক শব্দ শুদ্ধ অশুদ্ধ বাচ্য পরিবর্তন উক্তি পরিবর্তন বাক্য পরিবর্তন বিরাম চিহ্নের প্রয়োগ ধ্বন্যাৎমক শব্দ | Grammar/Composition | রচনা লিখন পত্র লিখন বোধপরীক্ষণ বাগধারা এক কথায় প্রকাশ সমার্থক শব্দ শুদ্ধ অশুদ্ধ বাচ্য পরিবর্তন উক্তি পরিবর্তন বাক্য পরিবর্তন বিরাম চিহ্নের প্রয়োগ ধ্বন্যাৎমক শব্দ |
| PROJECT TOPICS: শৈশবের স্মৃতি | | PROJECT TOPICS : | লালু /সভ্যতার প্রতি |
| Project submission date 1st project :on or before | | 25.08.2023 | |
| Final :on or before | | 30.11.2023 | |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
History and Civics**

PRESCRIBED TEXT BOOK I.C.S.E. History and Civics by Goyal Brothers Prakashan

| HALF YEARLY | | ANNUAL | |
|--|--|---------------------------|---|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| | | Civics | |
| 1. Our Constitution | Meaning, Formation of Constitution | 6. Rural Local government | Rural, -Panchayati Raj, Gram Panchayat, Panchayat Samiti, Zila parishad, Meaning, Functions. |
| 2. Basic features | Date of Adoption, Enforcement, Single Citizenship, Universal Adult franchise, | Urban Local Government | Urban-Municipal Committees, Municipal Corporations-Meaning And functions. Self Help group (FLN) |
| 3. Fundamental rights and Duties | Meaning, Classification, Fundamental | History | |
| | Meaning and Features, Economic Policy, Gandhian principles, Principles for the protection of Environment and monument, principles related to peace and Security. | 9. The Mughal Empire | Sources, Political History And Administration, Babur, Akbar, Aurangzeb. |
| 4. Directive Principles of State Policy. | | 10. Composite Culture. | Sources, Bijak, Guru Granth Sahib, Ajmer Sharif |
| 5. Elections | Meaning, Need, Types of Election, Formation Functions of Election Commission. | | Significance of Sufi, Bhakti Movement, Mirabai, Jnaneswar, Hazrat Nizamuddin. |
| | | | |
| History | | | |
| 1. THE Harappan Civilization. | Sources, The Great Bath, Seals, Dancing girl, Bearded Man, Dockyard, Script, Extent, Urban plan, Trade, Art, Craft, decline. | 11. Modern Age in Europe. | Definition, Causes, Impact on art, Literature, Science. Leonardo Da Vinci, Copernicus, William Shakespeare. |
| 2. The Vedic Period | Sources, Vedas, Epics, Early and Later Vedic Society, Economy. | 12. The Reformation | causes, contribution of Martin Luther, Counter Reformation. |

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| 3..Jainism and Buddhism | Sources,Angas,Tripitakas,Jatakas, Causes for the rise of both religion Doctrines and Impact. | 13.The Industrial Revolution | Definition,Causes,Results,Comparative study of Socialism and Capitalism. |
| 4. The Mauryan Empire | Sources,Arthashastra,Indica,Ashokan Edicts,SanchiStupa,Political History, Administration. | | |
| 5.The Sangam Age. | Sources,Tirukkural,Megaliths. Society,Economy. Sources,Political | | |
| 6.The Age Of the Guptas. | History,administration, Education,Science,Literature, Culture. | | |
| 7. The Cholas | Sources,Inscriptions,Brihadeswara temple, Political History ,Administration. Sources,Inscription,Qutub | | |
| 8.The Delhi Sultanate | minar,political History,administration of Qutubuddin Aibak,Alauddin Khilji,Muhammad Bin Tughlaq. | | |

PROJECT TOPICS : The Vedic Age Subtopics mentioned in the chapter.

16.8.23

PROJECT TOPICS :The Industrial Revolution Subtopics mentioned in the chapter..

15.01.24

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
SUBJECT - GEOGRAPHY**

PRESCRIBED TEXT BOOK : FRANK MODERN CERTIFICATE GEOGRAPHY PART I

| HALF YEARLY | | ANNUAL | |
|----------------------------|--|---------------------------------------|---|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1. Earth As A Planet | Shape of The Earth Earth As The Home Of Mankind and The Conditions That Exist. | 10. Hydrosphere | Meaning of Hydrosphere , Tides and Ocean Currents |
| 2. Geographic Grid | Latitudes and Longitudes | 11. Atmosphere | Composition and Structure |
| 3. Rotation and Revolution | Rotation- Direction, Speed and its Effects Revolution - Effects | 12. Insolation | Meaning and Factors Affecting Temperature |
| 4. Structure Of The Earth | Core ,Mantle , Crust- Meaning, Extent and Composition | 13. Atmospheric Pressure and Winds | Meaning and Factors Affecting Atmospheric Pressure, Major Pressure Belts of The World. Permanent Winds, Periodic Winds, Local Winds, Variable Winds, Jet Stream. |
| 5. Landforms Of The Earth | Mountains, Plateaus, Plains. Definitions, Types and Formation. | 14. Humidity | Meaning and Difference Between Absolute And Relative Humidity. Condensation and Precipitation forms Types of Rainfall |
| 6. Rocks | Difference between Minerals and Rocks Igneous, Sedimentary , Metamorphic Rocks | 15. Pollution | Types- Air, Water, Soil, Radiation and Noise Sources, Effects and Preventive Measures. |

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| 7.Volcanoes | Meaning ,Types, Effects and Distribution | 16. Natural Regions Of The World | Equatorial Region, Tropical Grasslands, Tropical Deserts,Tropical Monsoon, Mediterranean, Temperate Grasslands, Taiga |
| 8.Earthquakes | Meaning , Causes, Measurement Effects and Distribution. | World Map | Oceans, Seas, Gulfs , Straits and Rivers. Mountains and Plateaus. Major Natural Regions. |
| 9.Weathering and Denudation | Meaning ,Types and Effects. Meaning and agents of Denudation: Work of River and Wind | | |
| World Map | Oceans, Seas, Gulfs , Straits and Rivers Mountains and Plateaus. | | |
| PROJECT TOPIC : | Air Pollution OR Water Pollution OR Work Of River | PROJECT TOPIC : | Air Pollution OR Water Pollution OR Work Of River |
| Assignment 1 | Conventional Symbols | Assignment 1 | Conventional Symbols |
| Assignment 2 | Scale | Assignment 2 | Scale |
| | | Assignment 3 | Direction |
| Project submission date : (on or before) | 16. 08.23 | Project submission date : (on or before) | 25.01.24 |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS VII
ACADEMIC SESSION 2023 - 24
SUBJECT : PHYSICS
PRESCRIBED TEXT BOOK : CONCISE PHYSICS

| HALF YEARLY | | ANNUAL | |
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| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1. Measurement and Experimentation | Need of unit for measurement and its kind, derived units, Least count of instruments screw gauge and vernier calipers, Numericals, Pendulum experiments, Beam balance | 7. Reflection of Light | Reflection of light, Images formed in pair of mirror, Uses of plane mirror, Spherical Mirror, Ray diagram of convex and concave mirror, Uses of Mirrors |
| 2. Motion in one Dimension | Rest, motion, speed, velocity, acceleration, Graphical representation of linear Motion, numericals | 8. Propagation of Sound wave | Nature of sound waves, Requirement of a medium for sound wave to travel, Propagation and speed in different media, Comparison with speed of light |
| 3. Laws of Motion | Newton's Laws of Motion and its application, Gravity and Free fall | 9. Current Electricity | Types of Cell, Symbols for circuit diagram, Insulators and Conductors, Flow of electrons between conductors, Resistance, Efficient use of energy |
| 4. Pressure in Fluids and Atmospheric Pressure | Thrust and Pressure and their units, Pascal's Law and transmission of pressure in liquids, Principle of Floatation, Application, Relative density and measurement, numericals | 10. Magnetism | Induced magnetism, Magnetic field of earth, Neutral points, Introduction for electromagnet and uses |
| 5. Upthrust in Fluids, Archimedes' Principle and Floatation | Upthrust and Archimedes' Principle, Properties of upthrust, Verification of Archimedes Principle | | |

6. Heat and Energy

Concept of heat and temperature,
Anomalous Expansion of Water,
Thermal expansion, Energy flow and
its importance, Energy Resources.
Renewable and non renewable, Green
House Effect and Global
warming sources, energy degradation

PROJECT TOPIC :

As per ICSE Syllabus

PROJECT TOPIC :

As per ICSE Syllabus

Project submission date :
(on or before)

31.07.2023

Project submission date : (on or
before)

11.03.2023

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
SUBJECT: CHEMISTRY
PRESCRIBED TEXT BOOK : ICSE CHEMISTRY(CLASS IX ANITA PRASAD)

| HALF YEARLY | | ANNUAL | |
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| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1. Language of Chemistry | Symbols, valencies, Chemical formul, chemical equation, atomic weight, molecular weight, percentage composition of compounds. | 5. The Periodic table of elements | Dobereiner's Law of Triads, Newland's Law of Octaves, Mendeleev's periodic table, Modern Periodic table, Groups and periods, Study of alkali metals, alkaline earth metals, halogens, noble gases. |
| 2. Chemical reactions and Chemical changes. | Types of Chemical reactions, Energy changes in Chemical reactions. | 6. Hydrogen | Position of Hydrogen in Periodic table, Preparation, Chemical properties of hydrogen, Redox. |
| 3. Water | Solutions, Solubility, Water of crystallisation, Efflorescence, Deliquescence, Hygroscopy, Drying and Dehydrating agents. | 7. Study of gas laws. | Gaseous state of matter, Boyle's Law, Charles' Law, The Gas equation. |
| 4. Atomic Structure and Chemical Bonding | Structure of Atom, Isotopes, chemical bond, Types of Chemical Bond. | 9. Practical Chemistry | Detection of gases, action of heat on Compounds, Reaction of dilute sulphuric acid, flame test. |
| PROJECT TOPIC : | As per ICSE syllabus | PROJECT TOPIC : | As per ICSE syllabus |
| Project submission date : (on or before) | As per schedule | Project submission date : (on or before) | As per schedule |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
SUBJECT-BIOLOGY**

PRESCRIBED TEXT BOOK : ICSE-CONCISE BIOLOGY-9

| HALF YEARLY | | ANNUAL | |
|--------------------------------------|--|---|--|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1. Introducing Biology | Growth of Biology, Branches of Biology | 10. Nutrition | Classes of different nutrients, balanced diet. |
| 2. The Cell - A unit of life | Cell Structure, Cell theory, Cell organelle, Prokaryotic and Eukaryotic cell | 11. Digestive system | Teeth, salivary gland, different parts of the alimentary system and process of digestion. |
| 3. Tissues | Animal tissues - different types Plant Tissue – Simple and Complex Tissue, Structure of bisexual parts, description | 12. Skeleton system | The different human skeleton, structure of vertebrae, axial and appendicular skeletal system, joints. |
| 4. The Flower | of floral parts. | 13. Skin | structure and function of skin, skin derivatives, temperature regulation. |
| 5. Pollination and fertilization. | Different types of pollination, advantages and disadvantages. fertilization. | 14. The respiratory system | Structure of respiratory system, gaseous exchange and tissue respiration, respiratory volumes. |
| 6. Seeds - structure and germination | Structure of bean seed, maize seeds, germination, types of germination, viviparous germination. | 15. Hygiene | General idea of personal hygiene, mode of transmission |
| 7. Respiration in plants | Respiration, different types, experiments. | 16. Diseases - causes and control. | Different types of diseases and their causes and control |
| 8. Five kingdom classification. | Different characteristic features of different phyla of plant and animals. | 17. 18 Aids to health and health organization | Active and passive immunity, defence system of the body, terminology, vaccines, activities of Red cross and WHO. |

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| 9.Economic importance of bacteria and fungi. | Bacteria, fungi, usefulness, food spoilage, diseases | 19.Waste generation and management | Categories of wastes, methods of disposal of waste. |
| PRACTICAL TOPIC : | As per the ICSE syllabus chapters. | PRACTICAL TOPIC : | As per the ICSE syllabus chapters. |
| Practical lab manual submission date : | As per class schedule | Practical lab manual submission date | As per class schedule |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
SUBJECT: Mathematics

PRESCRIBED TEXT BOOK : Understanding ICSE Mathematics

| HALF YEARLY | | ANNUAL | |
|---|---|---|---|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 2. Compound Interest | Application of Formula, Growth & Depreciation (FLN) | 14. Theorem on Area | Fundamental Concepts, Area Axioms |
| 3. Expansions | Special products & Applications | 19. Co-ordinate Geometry | Co-ordinate Axes, Graph of Linear Equations, Graphical Solution of pair of Linear Equations, Distance Formula |
| 1. Rational and Irrational Numbers | Rational & Irrational Numbers, repeating numbers, Non repeating, non terminating decimals, surds and rationalization of surds | 13. Rectilinear Figures | Types of Quadrilateral and their Properties, Construction of Quadrilateral |
| 4. Factorization | Factorization by taking common factor, grouping, trinomials, cubic factorisation | 16. Mensuration | Perimeter and Area of triangle, Quadrilateral, Circumference and area, Surface area and Volume of Cuboid and Cubes |
| 10. Triangles | Congruency of triangle, Isosceles triangles, Inequalities | 20. Statistics | Mean and Median of Ungrouped Data, Frequency Distribution, Cumulative Frequency, Graphical Representation of Statistical Data |
| 11. Mid- point Theorem | Mid- point Theorem, Intercept Theorem | | |
| 5. Simultaneous Linear Equation | Substitution Method, Elimination Method, Cross multiplication Method | | |
| 6. Problems on Simultaneous Linear | Word Problems | | |
| 7. Quadratic Equations | Solving Quadratic Equations | | |
| 8. Laws of Indices | Laws of Indices | | |
| 9. Logarithms | Logarithm, Laws of Logarithms | | |
| 12. Pythagoras Theorem | Pythagoras Theorem & its Converse, Application in word problem | | |
| 15. Circle | Chord & Arc Property | | |
| 17. Trigonometrical Ratios | Trigonometrical ratios of the triangles | | |
| 18. Trigonometrical Ratios of Standard Angles | Trigonometrical Tables of Standard Angles Complementary angle | | |
| PROJECT TOPIC : | Study ways of raising loan to buy a Car or House | PROJECT TOPIC : | Statistical Analysis of Height, Weight, Number of Family Members and Pocket Money of Class – IX students |
| Project submission date : (on or before) | 15.07.23 | Project submission date : (on or before) | 15.11.23 |

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
SUBJECT: ECONOMIC APPLICATIONS
PRESCRIBED TEXT BOOK : J.P.GOEL

| HALF YEARLY | | ANNUAL | |
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| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1 .Meaning nd Definition of Economics | Definition, Micro and Macro Economics, Types of Activities | 8. Main Sectors Of Indian Economy :Services | Classification of Service Sector, Importance of Services, Factors Enabling High Growth of Service Sectors in India, Interdependence among various sectors. |
| 2. Basic Economic Entities in an Economy | Economies and its main Sectors, Basic Units of Economic Analysis, Consumers, Producers, Government | 9. Other Sectors of Indian Economy | Introduction, Classification on the Basis of Ownership, Private Sector, Public Sector, Classification on the basis of habitation |
| 3. Basic Problems of an Economy | Economic Problems, Central Problems of an Economy, Efficient use of resources, Economic Growth and Economic development | 10. Economic Infrastructure | Introduction , Meaning and Components of Infrastructure, Economic infrastructure, Transport System, Communication, Insurance, Energy, Irrigation, Effects of weak infrastructure |
| | | Financial Literacy: Financial Inclusion Schemes | Pradhan Mantri dhan Jan Yojna, Sukanya Samridhi Yojna, National pension Scheme, Employees Provident Fund Organisation, Atal Pension Yojna |

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| 4 .Types of Economies | Classification on The Basis of Ownership ,The Means of Production,Classification on the basis of Level of Development | 11. Social Infrastructure | Importance of Social Infrastructure,Education,Health,Family Planning,housing,Impacts of weak Social Infrastructure |
| | | Financial literacy: PAN card and Aadhar Card | Purpose,requirement and issuing body of PAN card,Income tax,Aadhar card and its benefits |
| 5.Characteristics of Indian Economy | What is Indian Economy?Characteristics of Indian Economy. | 12 .Consumer Awareness | Consumers place in market,Forms of Consumer exploitation, Reasons for Consumer Exploitation,Growth of consumer awareness,Consumer Education,Consumer Rights,Food Adulteration,Standardisation of |
| 6.Main Sectors of Indian Economy: Agriculture | Main Sectors of Indian Economy,Meaning of Agriculture,Role,Trends in Agricultural Production,Cause of low productivity,Impact | | |
| 7.Main Sectors of Indian Economy: Industry | Meaning of Industrialisation,Importance, Significance of industries, Interdependence of agriculture and industry, Problems and impact of industrial practices on ecosystem, | | |
| 13. Globalisation | Globalisation, Factors and Impacts of globalisation, World Trade Organisation, Multinational Corporations. | | |

PROJECT TOPIC : Central Problems Faced By
Economy, Problems In Public
Transport,

Project submission date : (on or
before)

20.08.2023

PROJECT TOPIC :

Consumer Rights and Consumer
Protection.

Project submission date : (on or
before)

15.12.2023

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS IX
ACADEMIC SESSION 2023 - 24
COMPUTER APPLICATIONS**

PRESCRIBED TEXT BOOK : ICSE UNDERSTANDING COMPUTER APPLICATIONS with BlueJ

| HALF YEARLY | | ANNUAL | |
|---|---|---|--|
| CHAPTER NO./TITLE | TOPICS | CHAPTER NO./TITLE | TOPICS |
| 1. Introduction to Object Oriented Programming Concepts | Types of computer languages, Compiler and Interpreter, Types of High Level Languages, Principles of OOP. Features of Java, Types of Java programming, BlueJ, Execution of Java Program. | 9. Nested for loops | Syntax of Nested loop, use of break and continue in nested loop. |
| 2. Elementary Concept of Objects and Classes | Object and Class, Software object and class, Instance of class, Object Factory. | 10. Computing and Ethics | Ethical issues in computing, Intellectual Property Right, Spam, Cyber Crime, Cyber laws, Hacking, Protection against Malicious Intent. |
| 3. Values and Data Types | Unicode character set, ASCII code, Token, Identifier, Literal, Type conversion-Implicit and Explicit. | 11. More on Basic Input/Output (Scanner and Printer Classes) | Scanner class, Methods to read tokens, |
| 4. Operators in Java | Concept of Operator, Expression and Statement, Java Expression, Shorthand operator, Ternary operator, Hierarchy of Operators | Entire Syllabus is included along with project of total 20 programs. (ch - 1,2,3,4,5,6,7,8,9,10,11) | |
| 5. Input in Java | Java comments, Input by Function Argument, InputStreamReader Class, Scanner Class, Testing and Debugging, Types of Errors. | | |

6. Mathematical Library Methods Mathematical Library Methods, Trigonometrical Functions, Conversion from degree to radian and vice versa.
7. Conditional Statements in Java Flow of control, Conditional flow, if statement, if-else statement, if-elseif-else statement, Nested if statement.
8. Iterative Constructs in Java Entry control loop, Exit control loop, for loop, while loop, do-while loop, jump statement- break, continue, finite loop, infinite loop, delay loop, Interconversion of Loops.

PROJECT TOPICS : 10 Programs from if-else, switch-case, Loop.
[Each program should contain VDT and Sample input and output.]

PROJECT TOPICS : 10 Programs from if-else, switch-case, loop, nested loop.
[Each program should contain VDT and Sample input and output.]

Project submission date : on or before : 14.08.2023

Project submission date : on or before : 30.11.2023

SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL
PHYSICAL EDUCATION
SYLLABUS FOR CLASS -IX
ACADEMIC SESSION 2023-24**

| UNIT -1 | | HALF YEARLY | |
|--|--|---|---|
| TOPICS & COMMANDS | BENEFITS & VALUES | TOPICS & COMMANDS | BENEFITS & VALUES |
| *General Warm-ups | Improving body flexibility | *Stretching exercise | Body Flexibility |
| *Yoga Exercises | Stress relief, helps digestion | Flat race-100m.,200m | Improvement of stamina |
| *Indoor Games - Carom board, | Developing mental ability & | Fitness Training-jogging, | Developing body fitness |
| Table Tennis, Chess, Ludo | Psychomotor skills | shuttle run | |
| *March past | Development of | *Outdoor Games | Development of team |
| | co-ordination skills | Basketball, football | spirit |
| UNIT -2 | | REHEARSAL | |
| TOPICS & COMMANDS | BENEFITS & VALUES | TOPICS & COMMANDS | BENEFITS & VALUES |
| Stretching exercise | To increase strength and body flexibility | Fitness Training-jogging, shuttle | To increase strength, speed, endurance |
| Tug of War | Improving body strength | Spoon and Marble Race | Improvement of dynamic balance |
| Balance race | Improvement of body balance | | |
| Relay race | Improvement of stamina | | |
| * The marked activities will be continued throughout the | | PROJECT: Biography of any ideal player | |

**ST. FRANCIS XAVIER SCHOOL
SUPW.
SYLLABUS FOR CLASS -IX
ACADEMIC SESSION 2023-24**

| HALF YEARLY | ANNUAL |
|---|---|
| TOPIC 1.Each one teach one 2.Greeting card making 3.Pen stand | TOPIC 1.Glass painting 2. Laundry work |