

ST. XAVIER'S SCHOOL, DORANDA
Syllabus for the Academic Year(2024-25)
CLASS XI

English Language

Question One:

A composition on one of a number of subjects.

Question Two:

- (a) Directed writing.

There are two parts in this question and both parts are compulsory.

(a) Directed Writing

The piece of directed writing must be based on the information and all the points provided. The required length is 250-300 words. The range of subjects includes feature article, book review, speech writing, newspaper report and statement of purpose.

b) Proposal Writing

Candidates will be required to write a proposal based on a given situation.

The proposal should include

(i) An Introduction

(ii) Objectives

(iii) List of measures to be taken.

A concluding statement is necessary.

The format prescribed by the ISCE must be

followed. The candidates will also be marked on linguistic ability.

Question Three:

Short-answer questions to test grammar, structure and usage.

Question Four:

Comprehension.

ISC Class 11 English Literature Syllabus 2025

I. **DRAMA: Macbeth** - William Shakespeare (Acts I & II)

II. **PRISM: A Collection of ISC Short Stories** (Evergreen Publications (India) Ltd. New Delhi)

1. A Living God – Lafcadio Hearn
2. Advice to Youth – Mark Twain
3. The Paper Menagerie – Ken Liu
4. The Great Automatic Grammatizator – Roald Dahl
5. Thank You, Ma'am – Langston Hughes

III. **RHAPSODY: A Collection of ISC Poems** (Evergreen Publications (India) Ltd. New Delhi)

1. Abhisara: The Tryst – Rabindranath Tagore
2. Why I Like the Hospital – Tony Hoagland
3. Sonnet 116 – William Shakespeare
4. Death of a Naturalist – Seamus Heaney
5. Strange Meeting – Wilfred Owen

Syllabus for Geography

MAY/JUNE

Geography as a discipline
Principles of physical geography
Atmosphere
Atmospheric temperature

JULY	Structure and composition of the earth's interior Vulcanicity
AUGUST	Atmospheric Pressure Rocks Atmospheric Moisture
SEPTEMBER	Changing Face of the Earth Landforms and Processes of Gradation Climate change
OCTOBER	Exogenetic process and associated landforms Ocean water Ocean water movements
NOVEMBER	Fluvial processes and associated landforms Biosphere – Life on the Earth
DECEMBER	Aeolian processes and associated landforms India as a mega diversity nation
JANUARY	Work of ground water and associated landforms Strategies for conservation of biodiversity

PAPER II: PRACTICAL WORK AND PROJECT WORK (30 Marks)

1. Practical Work

(a) Surveying - elementary principles; preparing plans of the school compound or a small area with the help of chain and tape.

(b) Statistical diagrams - line graphs (simple and multiple), composite bars, pie diagram, flow and star diagram, (the data used will be that used in Paper I).

2. Project Work (Assignment)

STUDY OF RIVER SYSTEM – FORMATION AND IMPORTANCE

Syllabus – POLITICAL SCIENCE

MONTH	CHAPTER
May/June	Fundamental Concepts
July	The Origin of the State Cold War in International Relations
August	Political Ideologies Disintegration of USSR
September	Unipolar World/US. Unilateralism Sovereignty
October	Law Regional Cooperation
November	Liberty NAM
December	Equality
January	India's relation with Bangladesh, Pakistan and Sri Lanka

PROJECT

Sovereignty

'Or'

Non-Aligned Movement

Term - 1

<i>Serial No.</i>	<i>Chapters</i>	<i>Pages</i>	<i>Units</i>
1.	Growth of Nationalism	3 - 19	2 units
2.	Emergence of the Colonial Economy	22 - 34	4 units
3.	Social, Economic and Cultural impact of British rule	40 - 51	4 units
4.	Urbanization - Growth of working class and workers' movement	102 - 106	3 units
5.	Protest movement against Colonial rule	61 - 65	
6.	The First World War - 1914-18	115 - 130	6 units

Summer Assignment

1. Rise of fascism in Italy
or
2. Gandhian Nationalism

Syllabus for Economics

Chapter	Estimated Month/s Required
Section-A Understanding Economics	
1. Definition of Economics	May
2. Basic Concepts of Economics	June
3. Basic Problems of an Economy	July
4. Types of Economics	July-August
5. Solutions to the Basic Economic Problems Under Different Economic System	August
Section-B: Indian Economic Development	
6. The State of the Indian Economy on the eve of Independence	September
7. Economic Growth and Development	September
8. Parameters of Development	October
9. Sustainable Development	November
10. Planning and Economic Development in India	November
11. Structural Changes in the Indian Economy after Liberalisation	December
12. The problem of Poverty in India	January
13. Profile of Indian Agriculture/Rural Development	December
14. Human Capital Formation in India	December
15. Employment and Unemployment in India- Problems and Policies	January
Section-C Statistics	
17. Definition, Scope, Importance and Limitation of Statistics	May
18. Collection, Organisation and Presentation	June-July
19. Measures of Central Value	July-August
20. Measures of Dispersion	September
21. Correlation	October
22. Index Number	October
23. Some Mathematical Tools Used in Economics	November

Syllabus for Accounts

S. No.	Chapter	Es mated Month/s Required
1	Evolu on of Accoun ng & Basic terms	May
2	Accoun ng Equa ons	June
3	Meaning, Objec ves, Scope and Nature of Accoun ng	July
4	Double Entry System	May
5	Books of Original Entry- Journal	June
6	Accoun ng for GST	June
7	Books of Original Entry- Cash Book	July
8	Books of Original Entry- Special Purpose Subsidiary Books	July
9	Ledger	July
10	Trial Balance	July
11	Deprecia on	August
12	Bills of Exchange	August
13	GAAP	September
14	Bases of Accoun ng	September
15	AS and IFRS	October
16	Capital and Revenue	October
17	Provisions and Reserves	October
18	Final Accounts	September
19	Final Accounts - With Adjustments	October
20	Errors and Rectification	November-December
21	Accounts of Not-for-Profit Organisations	November-December

Syllabus for Commerce

S. No.	Chapter	Es mated Month/s Required
1	Nature and Purpose of Business	May-June-July
2	Forms of Business Organisa on	May-June-July-August
3	Social Responsibility of Business and Business Ethics	September
4	Emerging Modes of Business	October-November
5	Stock Exchange	December-January
6	Trade	August
7	Foreign Trade	September-October-November
8	Insurance	December-January

Syllabus for Chemistry

1st Selection Examination
Some basic concepts of Chemistry
Structure of atom
Periodic properties
Basic principles of Organic Chemistry (half)

2nd Selection Examination
Chemical Bonding
Thermodynamics
Chemical Equilibrium
Redox reactions
Basic Principles of Organic Chemistry (half)
Aliphatic and aromatic Hydrocarbons
All the topics of 1st Selection will also be included

Month wise break up
April+ May

Some basic concepts of Chemistry
Structure of atom (half)
Basic principles of Organic Chemistry (half)
June+July
Structure of atom
Periodic properties
Basic principles of Organic Chemistry (half)
August
Chemical Bonding
Basic Principles of Organic Chemistry (completed)
October+November
Thermodynamics
Aliphatic Hydrocarbons
December +January
Chemical Equilibrium
Redox reactions
Aromatic Hydrocarbons

Syllabus for Physics

1st unit test:

1. Units and dimensions
2. Vectors

FIRST TERM:

- Ch1. Units and dimensions
- Ch2. Kinematics
- Ch3. Laws of motion
- Ch4. Work power and energy

2nd unit test :

- Ch6. Gravitation
- Ch7. Properties of bulk matter

SECOND TERM:

- Ch5. Motion of system of particles and rigid body
- Ch6. Gravitation
- Ch7. Properties of bulk matter
- Ch8. Heat and thermodynamics
- Ch9. Behaviour of perfect gases and kinetic theory of gases
- Ch10. Oscillations and Waves

All Chapters included from 1st term.

MONTH

May
May/June
June/July
August

August
Sep/Oct
Sep/Oct
Nov/Dec
Dec
Nov/Dec

Syllabus for Biology

MONTH	BOTANY	ZOOLOGY
MAY-JUNE	*PHOTOSYNTHESIS IN HIGHER PLANTS	* BREATHING AND EXCHANGE OF GASES
ASSIGNMENT	HERBARIUM PREPARATION	
JULY	*RESPIRATION IN PLANTS *PLANT GROWTH & DEVELOPMENT	* BODY FLUIDS AND CIRCULATION
AUGUST	*PLANT GROWTH & DEVELOPMENT *MORPHOLOGY AND MODIFICATIONS OF ROOT,STEM, LEAF	*EXCRETORY PRODUCTS AND ELIMINATION
SEPTEMBER FIRST TERM EXAMINATION	*PHOTOSYNTHESIS IN HIGHER PLANTS *RESPIRATION IN PLANTS *PLANT GROWTH & DEVELOPMENT *MORPHOLOGY AND MODIFICATIONS OF ROOT,STEM, LEAF * BREATHING AND EXCHANGE OF GASES * BODY FLUIDS AND CIRCULATION *EXCRETORY PRODUCTS AND ELIMINATION	
SEPTEMBER	*MORPHOLOGY OF FLOWER	*LOCOMOTION AND MOVEMENT
OCTOBER	*ANATOMY OF FLOWERING PLANTS	*NEURAL CONTROL AND COORDINATION
ASSIGNMENT		PROJECT "CELL – THE UNIT OF LIFE"
NOVEMBER	*THE LIVING WORLD *BIOLOGICAL CLASSIFICATION	*CHEMICAL CO-ORDINATION AND INTEGRATION *BIOMOLECULES
DECEMBER	*BIOLOGICAL CLASSIFICATION *PLANT KINGDOM	*CELL CYCLE & CELL DIVISION *ANIMAL KINGDOM
JANUARY	*PLANT KINGDOM	*STRUCTURAL ORGANISATION IN ANIMALS-FROG
FEBRUARY	FINAL TERM EXAMINATION FULL SYLLABAUS	

Syllabus for Mathematics

May	Relations and Functions	
June	Trigonometry Limits and Derivatives	CAT I (20 marks) Relations and Functions Trigonometry
July	Differentiation # Introduction to 3 – D Geometry * Statistics Complex Numbers	CAT II (20 marks) Limits and Derivatives Differentiation # Introduction to 3 – D Geometry * Statistics
August	Quadratic Equations Inequalities Probability	CAT III (20 marks) [Open Book] Complex Numbers Quadratic Equations Inequalities
September	Permutations and Combinations	

October	Straight Lines Circles	
November	Binomial Theorem Sequence and Series Statistics	CAT IV (20 marks) Straight Lines Circles
December	# Conics * Correlation Analysis	CAT V (20 marks) Binomial Theorem Sequence and Series Statistics
January	*Index Number and Moving Averages # Mathematical Reasoning Sets	CAT VI (20 marks) [Open Book] # Conics * Correlation Analysis

Section B | *Section C

CAT: Continuous Assessment Test

Note: Tentative syllabus for the academic year 2024 – 2025.

Average of best two CAT marks out of three / project work will be accepted for (20 marks) evaluation

Syllabus for Computer Science

MONTH	TOPICS
May-June	Numbers Representation of numbers in different bases and interconversion between them (e.g. binary, octal, decimal, hexadecimal). Addition and subtraction operations for numbers in different bases. Binary encodings for integers and real numbers using a finite number of bits (sign magnitude, two's complement, mantissa exponent notation). Basic operations on integers and floating point numbers. Limitations of finite representations.
July	Propositional logic, hardware implementation, arithmetic operations (a) Propositional logic, well formed formulae, truth values and interpretation of well formed formulae, truth tables. (b) Logic and hardware, basic gates (AND, NOT, OR) and their universality, other gates (NAND, NOR, XOR); inverter, half adder, full adder. Primitive values, wrapper classes, types and Casting Primitive values and types: int, short, long, float, double, boolean, char. Corresponding wrapper classes for each primitive type. Class as type of the object. Class as mechanism for user defined types. Changing types through user defined casting Variables, expressions Variables as names for values; expressions (arithmetic and logical) and their evaluation (operators, associativity, precedence). Assignment operation; difference between left hand side and right hand side of assignment.
August	Use of Decision making statements jumping and branching, various forms of if..else, if..else., switch..case Loops : Use of for loop, while loop Use of do..while in making java program both known and unknown iterations. Program based on series, Pattern, number system, general questions.
September 1 st Term	Functions : Use of functions, types, parts, function parameters, passing parameters by values. (programming and theoretical examples)

October	<p>Using Library Classes Simple input/output. String, packages and import statements. libraries and illustrating their use. The following functions have to be covered String library functions: Char charAt (inti),intcompareTo(String1, String2)String concat(String str) booleanendsWith(String str)boolean equals(String str)booleanequalsIgnoreCase(String str) intindexOf(char ch)intlastIndexOf(char ch)int length()String replace (char oldChar,charnewChar)booleanstartsWith(String str)String substring(intbeginIndex, intendIndex)String toLowerCase()String toUpperCase()String trim()String valueOf(all types), toString()Mathematical Library Functions:pow(x,y), log(x), sqrt(x), ceil(x), floor(x), rint(x),abs(a), max(a, b), min(a,b), random(), sin(x), cos(x),tan(x), asin(), acos(), atan().</p>
November	<p>Constructors Constructor and its types. Default constructor, parameterized constructor, constructor with default parameter and constructor overloading</p>
December	<p>Arrays Arrays storing, retrieving and arranging data, Arrays and their uses, sorting algorithms - selection sort and bubble sort; Search algorithms œ linear search and binary search Example of a composite type. Array creation. Sorting and searching algorithms should be discussed</p>
January	<p>Ethical Issues in computing : intellectual property rights, protection of individual rights to privacy, data protection on the internet, protection against spam, software piracy, cyber crime, hacking, protection against malicious intent and malicious code.</p>
February	<p>Final Term</p>