

FR. AGNEL SCHOOL, NEW DELHI
HALF YEARLY EXAMINATION SYLLABUS FOR CLASS XII 2023-24

SUBJECT	SYLLABUS
ENGLISH	<p>1.Comprehension of unseen passage</p> <p>WRITING</p> <p>2. Notice ,3. Invitations, 4. Letter to the editor, 5. Article writing,</p> <p>Literature</p> <p>Flamingo</p> <p>Prose:</p> <p>1.The Last Lesson, 3. The Third Level, 4. Notice, 5. Comprehension</p> <p>6. The Last lesson, 7. Lost Spring, 8. Deep Water,9. Rattrap, 10. The Interview</p> <p>Poems:</p> <p>11. My Mother at Sixty-Six, 12. Keeping Quiet, 13. A Thing of Beauty</p> <p>VISTAS</p> <p>14. The Third Level, 5. Tiger King, 16. The Enemy</p>
ACCOUNTANCY	<p>UNIT 1 (Accounting for partnership)</p> <p>Partnership Fundamentals including goodwill</p> <p>Change in profit sharing ratio</p> <p>Admission of a partner</p> <p>Retirement of a partner</p> <p>Death of a partner</p> <p>Dissolution of a firm</p> <p>UNIT 2 (Company Accounts)</p> <p>Accounting for share capital (Excluding forfeiture and balance sheet)</p>
BUSINESS STUDIES	<p>Nature and Significance of Management</p> <p>Principles of Management</p> <p>Business Environment</p> <p>Planning</p> <p>Organising</p> <p>Staffing</p> <p>Directing</p> <p>Controlling</p>
ECONOMICS	<p>Part A: Macro Economics</p> <p>Unit 1: National income & Related Aggregates (Chapter 1-4)</p> <p>Unit 2: Money and Banking (Chapter 5-6)</p> <p>Unit 4: Government Budget ((Chapter 10)</p> <p>Part B: Indian Economic Development</p> <p>Chapter 1: Indian economy on the eve of independence.</p> <p>Chapter 2: Indian economic 1950-1990</p> <p>Chapter 3: Liberalisation, Privatisation & Globalisation (Including demonitisation & GST)</p> <p>Chapter 4: Human Capital Formation in India</p>

MATHEMATICS	Ch 1: Relations & Functions Ch 2: Inverse Trigonometric Functions Ch 3 : Matrices Ch 4: Determinants Ch 5: Continuity & Differentiability Ch 6 : Application of Derivatives Ch 7: Integrals Ch 8 : Application of Integrals
PHYSICS	Chp-1 Electric Charges And Fields Chp-2 Electrostatic Potential And Capacitance Chp-3 Current Electricity Chp-4 Moving Charges And Magnetism Chp-5 Magnetism And Matter Chp-6 Electromagnetic Induction Chp-7 Alternating Current Chp-8 Electromagnetic Waves
CHEMISTRY	1.Solutions 2.Electrochemistry 3.Haloalkanes and Haloarenes 4.Alcohols, phenols and ethers 5.Aldehydes, ketones and carboxylic acids 6.Amines
BIOLOGY	Chapter 2- Sexual reproduction in flowering plants. Chapter 3- Human reproduction. Chapter 4- Reproductive health. Chapter 5- Principles of inheritance and variation. Chapter 6- Molecular basis of inheritance. Chapter 7-Evolution Chapter 13- organisms and population. Chapter 14- Ecosystem.
PSYCHOLOGY	Chapter-1: Variations in Psychological Attributes Chapter-2: Self and Personality Chapter-3: Meeting Life Challenges Chapter-4 : Psychological Disorders PRACTICAL: Any 2 Psychological Tests
INFORMATICS PRACTICES	Unit 2: Database Query using SQL Math functions: POWER (), ROUND (), MOD (). Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM (). Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*). Querying and manipulating data using Group by, Having, Order by.

<p>PHYSICAL EDUCATION</p>	<p>Unit I Management of Sporting Events Unit II Children & Women in Sports Unit III Yoga as Preventive measure for Lifestyle Disease Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang) Unit V Sports & Nutrition</p>
<p>COMPUTER SCIENCE</p>	<p>Unit I: Computational Thinking and Programming -2</p> <ul style="list-style-type: none"> ● Revision of Python topics covered in Class XI. ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope) ● Exception Handling: Introduction, handling exceptions using try-except-finally blocks ● Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths ● Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file ● Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file ● CSV file: import csv module, open / close csv file, write into a csv file using writer(),writerow(),writerows() and read from a csv file using reader() <p>Unit III: Database Management</p> <ul style="list-style-type: none"> ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join
<p>GEOGRAPHY</p>	<p>Part A: Fundamentals of Human Geography</p> <ol style="list-style-type: none"> 1. Human Geography-Nature and Scope 2.The World Population 3.Human Development 4. Primary Activities 5. Secondary activities 6. Tertiary Activities 7. Transport And Communication 8. International Trade

<p>SOCIOLOGY</p>	<p>Book-1 Ch2- The Demographic Structure of Indian Society Ch3- Social Institutions: Continuity and Change Ch5- Patterns of Social Inequality and Exclusion Ch6- The Challenges of Cultural Diversity Book2- Ch1- Structural Change Ch2- Cultural Change</p>
<p>POLITICAL SCIENCE</p>	<p>Part A: Contemporary World Politics Ch-1 :The End of Bipolarity Ch-2 :Contemporary Centers of Power Ch-3 :Contemporary South Asia Ch-4 :International Organizations Ch-5 :Security in the Contemporary World Ch-6 :Environment and Natural Resources Ch-7 :Globalization</p>