ST. JOSEPH'S CONVENT HIGH SCHOOL (CBSE), CHITTARANJAN
SESSION:-2025-26
SYLLABUS

CLASS XII SC

SL NO	SUBJECT NAMES	UNIT-I	Half YEARLY	MOCK - I	MOCK - II
1	ENGLISH	FLAMINGO: PROSE CH-1 The Last Lesson CH-2 The Lost Spring POETRY CH-1 My Mother at Sixty Six VISTAS: CH-1 The Third Level WRITING SKILLS: Notice, Invitation.	FLAMINGO: PROSE CH-1 The Last Lesson CH-2 The Lost Spring CH-3 Deep Water CH-4 The Rattrap CH 5 Indigo POETRY 1 My Mother at Sixty Six 2 Keeping Quiet 3 A Thing of Beauty VISTAS CH-1 The Third Level CH-2 The Tiger King CH-3 Journey to the End of Earth CH 4 The Enemy WRITING SKILLS: Notice, Formal/ Informal Invitation, Article, Report, Letter to the Editor, Application for a Job. READING: Comprehensions	FLAMINGO: PROSE CH-1 The Last Lesson CH-2 The Lost Spring CH-3 Deep Water CH-4 The Rattrap CH-5 Indigo CH-6 Poets and Pancakes CH-7 The Interview CH-8 Going Places POETRY 1 My Mother at Sixty Six 3 Keeping Quiet 4 A Thing of Beauty	PRESCRIBE SYLLABUS FOR C.B.S.E

				5 A Roadside Stand 6 Aunt Jennifer's Tigers VISTAS CH-1 The Third Leve CH-2 The Tiger King CH-3 Journey to the End of Earth CH-4 The Enemy CH-6 On The Face of it CH-8 Memories of Childhood WRITING SKILLS: Notice, Formal/ Informal Invitation, Article, Report, Letter to the Editor, Application for a Job. READING: Comprehensions	
2	HINDI	Unit Test-1 आरोह भाग-2 1(i).आत्मपरिचय (ii).एक गीत 11.भक्तिन वितान भाग-2 1.सिल्वर वैडिंग अभिव्यक्ति और माध्यम 3.विभिन्न माध्यमोंके लिए	Half-Yearly आरोह भाग-2 1(i).आत्मपरिचय (ii).एक गीत 2.पतंग 3.(i) कविता के बहाने (ii)बात सीधी थी पर 4.कैमरे में बंद अपाहिज 6.उषा	आरोह भाग-2 1(i).आत्मपरिचय (ii).एक गीत 2.पतंग 3.(i) कविता के बहाने (ii)बात सीधी थी पर 4.कैमरे में बंद अपाहिज 6.उषा	PRESCRIBE SYLLABUS FOR C.B.S.E

		लेखन	11.भक्तिन 12.बाज़ार दर्शन 13.काले मेघा पानी दे वितान भाग-2 1.सिल्वर वैडिंग 2.जूझ अभिव्यक्ति और माध्यम 3.विभिन्न माध्यमोंके लिए लेखन 4.पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया 5.विशेष लेखन स्वरूप और प्रकार	7.बादल राग 8(i).कवितावली (उत्तर कांड से) (ii).लक्ष्मण मूर्च्छा और राम का विलाप 9(i) रूबाईयाँ 10(i).छोटा मेरा खेत (ii).बगुलों के पंख 11.भक्तिन 12.बाज़ार दर्शन 13.काले मेघा पानी दे 14.पहलवान की ढोलक 17.शिरीष के फूल 18(i).श्रम-विभाजन और जाति-प्रथा (ii).मेरी कल्पना का आदर्श समाज वितान भाग-2 1.सिल्वर वैडिंग 2.जूझ 3.अतीत में दबे पाँव अभिव्यक्ति और माध्यम 3.विभिन्न माध्यमोंके लिए लेखन 4.पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया 5.विशेष लेखन स्वरूप और प्रकार 11.कैसे करें कहानी का नाट्य रूपांतरण 12.कैसे बनता है रेडियो नाटक 13.नए और अप्रत्याशित विषयों पर लेखन	
3	BENGALI	1.Comprehension: one unseen passages 2.Grammar Dhwanitatwa (definition with one examples) a) Apinihiti b) Abhishruti c)	1.Comprehension: two unseen passages 2.Grammar I)Dhwanitatwa (definition with one examples) a) Apinihiti b) Abhishruti c) Swarosangoti d)	PRESCRIBE SYLLABUS FOR C.B.S.E	PRESCRIBE SYLLABUS FOR C.B.S.E

		Swarosangoti d) Swarobhokti 3.Prose: Ke banchay, ke banche- Manik Bandyopadhayay 4.Poetry: Roopnaraner Kule- Rabindra Nath Thakur 5. Supplementary Reader--Garo Paharer Niche.	Swarobhokti II).Shabdarthotatwo (definition with two examples) a. Orther Utkarsho b. Orther Opokarsho c. Orther Songkochon d. Orther Prosaron III)Proverbs and Idioms – Meaning and sentence making 3)Prose: I) Ke banchay, ke banche- Manik Bandyopadhayay II) Bharatbarsho - Syed Mustafa Siraj 4.Poetry: I). Roopnaraner Kule- Rabindra Nath Thakur . II)Aami Dekhi - Shakti Chattopadhyaya . III)Krandanrata Jananir Pashe - Mridul Dasgupta 5.Supplementary Reader: Amar Bangla - Subhash Mukhopadhyay 1. Garo Paharer Niche 2. Chhatir Badole Hati 6.Creative Writing Report Reading (News Headline/Focus on main topic in three sentences) 2. Advertisement Writing (Non classified only)		
4	**MATHS**	1. Inverse Trigonometry. 2. Vector Algebra 3.Matrics 4. Relation and Function.	1. Inverse Trigonometry. 2. Vector Algebra 3.Matrics 4. Relation and Function. 5.Matrices 6. Determinants. 7. Continuity and Differentiability 8. Application of derivatives 9.Relations and Functions	1.Integral Calculus 2. Application of Integrals. 3. Linear Programing. 4.Probability 5. Inverse Trigonometry. 6. Vector Algebra 7.Matrices 8. Determinants.	PRESCRIBE SYLLABUS FOR C.B.S.E

			10. Three Dimensional Geometry	9.. Continuity and Differentiability 10.. Application of derivatives 11..Relations and Functions 12 Three Dimensional Geometry 13 Application of derivatives 14.Differtional equation	
5	PHYSICS	**Electrostatics** CH – 1 : electric charges and fields CH – 2 : electrostatic potential and capacitance **Electronic devices** : CH -14 : Semiconductor, electronic materials, devices and simple circuit	**Electrostatics :** CH – 1 : electric charges and fields CH – 2 : electrostatic potential and capacitance **Current electricity :** CH – 3 : Current electricity **Magnetic effect of current and magnetism :** CH – 4 : Moving charges and magnetism CH – 5 : Magnetism and matter **Electromagnetic induction and Alternating currents** CH – 6 : Electromagnetic induction	**Electrostatics :** CH – 1 : electric charges and fields CH – 2 : electrostatic potential and capacitance **Current electricity :** CH – 3 : Current electricity **Magnetic effect of current and magnetism :** CH – 4 : Moving charges and magnetism CH – 5 : Magnetism and matter **Electromagnetic induction and Alternating currents** CH – 6 : Electromagnetic induction **Electromagnetic waves** CH – 8 : Electromagnetic waves **Optics** CH – 9 : Ray optics and optical instruments CH – 10 : Wave optics **Atoms and nuclei** : CH – 11 : Dual nature of radiation and matter CH – 12 : Atoms CH – 13 : Nuclei **Electronic devices** : CH -14 : Semiconductor, electronic materials, devices	**Electrostatics :** CH – 1 : electric charges and fields CH – 2 : electrostatic potential and capacitance **Current electricity :** CH – 3 : Current electricity **Magnetic effect of current and magnetism :** CH – 4 : Moving charges and magnetism CH – 5 : Magnetism and matter **Electromagnetic induction and Alternating currents** CH – 6 : Electromagnetic induction **Electromagnetic waves** CH – 8 : Electromagnetic waves **Optics** CH – 9 : Ray optics and optical instruments CH – 10 : Wave optics **Atoms and nuclei** : CH – 11 : Dual nature of radiation and matter CH – 12 : Atoms CH – 13 : Nuclei **Electronic devices** : CH -14 : Semiconductor, electronic materials, devices

				and simple circuits	and simple circuits
6	**CHEMISTRY**	CH-1 : Solutions CH -6 : Haloalkanes and Haloarenes	CH – 1 : Solutions CH - 2 : Electrochemistry CH – 3 : Chemical kinetics CH – 4 : d & f block elements CH - 6 : Haloalkanes and Haloarenes CH – 7 : Alcohols, phenols and Ethers CH -10 : Biomolecules	CH – 1 : Solutions CH - 2 : Electrochemistry CH – 3 : Chemical kinetics CH – 4 : d & f block elements CH – 5 : Co-ordination compounds CH - 6 : Haloalkanes and Haloarenes CH – 7 : Alcohols, phenols and Ethers CH – 8 : Aldehydes, ketones and carboxylic acids CH – 9 : Amines CH -10 : Biomolecules	CH – 1 : Solutions CH - 2 : Electrochemistry CH – 3 : Chemical kinetics CH – 4 : d & f block elements CH – 5 : Co-ordination compounds CH - 6 : Haloalkanes and Haloarenes CH – 7 : Alcohols, phenols and Ethers CH – 8 : Aldehydes, ketones and carboxylic acids CH – 9 : Amines CH -10 : Biomolecules
7	**BIOLOGY**	Chapter-1: Sexual Reproduction in Flowering Plants Chapter-2: Human Reproduction Chapter- 3: Reproductive Health	Chapter-1: Sexual Reproduction in Flowering Plants Chapter-2: Human Reproduction Chapter- 3: Reproductive Health Chapter-4: Principles of Inheritance and Variation Chapter-5: Molecular Basis of Inheritance Chapter-7: Evolution Chapter-8: Human Health and Diseases Chapter-9: Microbes in Human Welfare	PRESCRIBE SYLLABUS FOR C.B.S.E	PRESCRIBE SYLLABUS FOR C.B.S.E
8	**COMPUTER SC**	**Unit 1: Computational Thinking and Programming – 2** **Functions: types of function (built-in functions, functions defined in module, user defined**	**Unit 1: Computational Thinking and Programming – 2** **• 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**	**Unit 1: Computational Thinking and Programming – 2 • 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,**	**Unit 1: Computational Thinking and Programming – 2** **• Revision of Python topics covered in Class XI.** **• Functions: types of function (built-in functions, functions defined in module, user defined functions), creating**

		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	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() • Data Structure: Stack, operations on stack (push &	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()	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

		• 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	pop), implementation of stack using list. Unit 2: Computer Networks • Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) • Data communication terminologies: concept of communication, components of data communication (sender,receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) • Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) • Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) • Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) • Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP • Introduction to web services: WWW, Hyper Text Markup	and read from a csv file using reader() • Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. Unit 2: Computer Networks • Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) • Data communication terminologies: concept of communication, components of data communication (sender,receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) • Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) • Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) • Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)	writer(),writerow(),writerows() and read from a csv file using reader() • Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. Unit 2: Computer Networks • Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) • Data communication terminologies: concept of communication, components of data communication (sender,receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) • Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) • Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) • Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies

			Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting	• Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP • Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting Unit 3: Database Management • 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,	(Bus, Star, Tree) • Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP • Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting Unit 3: Database Management • 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 • Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	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 • Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries
9	P.ED	**CH -1:-** Management of Sporting Events. **CH - 2:-** Children And Women In Sports.	**CH-1:-** Management of Sporting Events. **CH-2:-** Children And Women In Sports. **CH-3:-** Yoga As Preventive Measure For Lifestyle Disease. **CH-4:-** Physical Education And Sports For CWSN. **CH- 5:-** Sports & Nutrition. **CH- 6:-** Test & Measurement In Sports.	**CH-1:-** Management of Sporting Events. **CH-2:-** Children And Women In Sports. **CH-3:-** Yoga As Preventive Measure For Lifestyle Disease. **CH-4:-** Physical Education And Sports For CWSN. **CH-5:-** Sports & Nutrition. **CH-6:-** Test & Measurement In Sports. **CH-7:-**Physiology & Injuries In Sports. **CH-8:-**Biomechanics & Sports. **CH-9:-** Psychology & Sports.	**CH-1:-** Management of Sporting Events. **CH-2:-** Children And Women In Sports. **CH-3:-** Yoga As Preventive Measure For Lifestyle Disease. **CH-4:-** Physical Education And Sports For CWSN. **CH-5:-** Sports & Nutrition. **CH-6:-** Test & Measurement In Sports. **CH-7:-**Physiology & Injuries In Sports. **CH-8:-**Biomechanics & Sports. **CH-9:-** Psychology & Sports.

				CH-10:- Training In Sports.	**CH-10:-** Training In Sports.