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

CLASS- XI SC

SL NO	SUBJECT NAMES	UNIT-I	HALF YEARLY	UNIT-II	ANNUAL
1	ENGLISH	Hornbill: Prose Ch-1 The Portrait of a Lady Ch-2 We're Not Afraid to Die..if We Can All Be Together Poetry: A Photograph Snapshot: Ch-1 The Summer of the Beautiful White Horse Ch-2 The Address Grammar: Tenses, Rearranging of Sentences Writing Skills: Poster, Advertisement	Reading: Comprehensions, Note Making, Summary Hornbill: Prose Ch-1 The Portrait of a Lady Ch-2 We're Not Afraid to Die. if We Can All Be Together Ch-3 Discovering Tut-the Saga Continues Poetry: 1. A Photograph 2. The Laburnum Top 3. The Voice of the Rain Snapshot: Ch-1 The Summer of the Beautiful White Horse Ch-2 The Address Ch-7 Birth Grammar: Tenses, Rearranging of Sentences Writing Skills: Poster, Advertisement, Speech, Debate	Hornbill: Prose Ch-7 The Adventure Ch-8 Silk Road Snapshot: CH-8 The Tale of the Melon City Grammar- Tenses, Rearranging of Sentences Writing Skills: Poster, Advertisement	Reading: Comprehensions, Note Making, Summary Hornbill: Prose Ch-1 The Portrait of a Lady Ch-2 We're Not Afraid to Die. if We Can All Be Together Ch-3 Discovering Tut-the Saga Continues Ch-7 The Adventure Ch-8 Silk Road Poetry: 1. A Photograph 2. The Laburnum Top 3. The Voice of the Rain 4. Childhood 5. Father to Son Snapshot: Ch-1 The Summer of the Beautiful White Horse Ch-2 The Address Ch-5 Mother's Day Ch-7 Birth Ch-8 The Tale of Melon City Grammar: Clauses, Tenses, Rearranging of Sentences

					Writing Skills: Poster, Advertisement, Speech, Debate
2	**HINDI**	आरोह भाग-1 1. नमक का दारोगा **1(i).** हम तौ एक-एक करि जाना **2(i).** मेरे तो गिरधर गोपाल, दूसरो न कोई वितान भाग-1 1. भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर अभिव्यक्ति और माध्यम 1.जनसंचार माध्यम	आरोह भाग-1 1. नमक का दारोगा 2. मिया नसीरूद्दीन 3. अप्पू के साथ ढाई साल 4. विदाई संभाषण 1(i). हम तौ एक-एक करि जाना **2(i).** मेरे तो गिरधर गोपाल, दूसरो न कोई 5. घर की याद 6. चंपा काले काले अच्छर नहीं चीन्हती 7. गज़ल वितान भाग-1 1. भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर 2. राजस्थान की रजत बूॅदें अभिव्यक्ति और माध्यम 1.जनसंचार माध्यम 2.पत्रकारिता के विविध आयाम 9.डायरी लिखने की कला	आरोह भाग-1 5.गलता लोहा **8(i).** हे भूख ! मत मचल **(ii).** हे मेरे जूही के फूल जैसे ईश्वर वितान भाग-1 3.आलो-आँधारि अभिव्यक्ति और माध्यम 10. कथा पटकथा	आरोह भाग-1 1. नमक का दारोगा 2. मिया नसीरूद्दीन 3. अप्पू के साथ ढाई साल 4. विदाई संभाषण 5. गलता लोहा 7. रजनी 8.जामुन का पेड़ 9.भारत माता **1(i).** हम तौ एक-एक करि जाना **2(i).** मेरे तो गिरधर गोपाल, दूसरो न कोई 5. घर की याद 6. चंपा काले काले अच्छर नहीं चीन्हती 7. गज़ल **8(i).**हे भूख! मत मचल **(ii).**हे मेरे जूही के फूल जैसे ईश्वर 9.सबसे खतरनाक 10.आओ मिलकर बचाएँ वितान भाग-1 1. भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर 2. राजस्थान की रजत बूॅदें 3अभआलो-आँधारि अभिव्यक्ति और माध्यम 1.जनसंचार माध्यम 2.पत्रकारिता के विविध आयाम

					9.डायरी लिखने की कला 10.कथा-पटकथा 14.कार्यालयी लेखन और प्रक्रिया 15.स्ववृत्त लेखन रोज़गार आवेदन पत्र 16.शब्दकोष, संदर्भ ग्रंथों की उपयोगी विधि और परिचय
3	**BENGALI**	**1.COMPREHENSION (One) 2.GRAMMAR- Bachyo (voice) Poribortan. 3.PROSE- Telenapata Abishkar 4.POETRY- Nun.**	**1.COMPREHENSION (Two) 2.GRAMMAR- I)Bachyo (voice) Poribortan, II)Ukti (Narration) poriborton. 3.PROSE- I) Telenapata Abishkar II)Dakater Ma III)Biral 4)POETRY- I)Nun II)Lalan Shah Fokirer Gan 5)SUPPLEMENTARY READER- I)Boi Kena II)Ajob Shohor Kolkata 6)Creative Writing I)Dialogue Writing II)Summary Writing**	**1.COMPREHENSION (One) 2.GRAMMAR- Bangla Shabdo Bhandar(Tatsama ,Tadbhaba, Deshi and Bideshi). 3.PROSE- I) Puimancha 4.POETRY- I) Samyabadi**	**1.COMPREHENSION (Two) 2.GRAMMAR- I)Bachyo (voice) Poribortan, II)Ukti (Narration) poriborton. III)Bangla Shabdo Bhandar(Tatsama ,Tadbhaba, Deshi and Bideshi). 3.PROSE- I) Telenapata Abishkar II)Biral III)Puimancha 4)POETRY- I)Nun II)Samyabadi III)Charon Kobi IV)Agun 5)SUPPLEMENTARY READER- I)Boi Kena II)Ajob Shohor Kolkata III)Adda 6)Creative Writing I)Dialogue Writing II)Summary Writing**
4	**MATHS**	**1. Complex No and Quadratic equation . 2. Set Theory 3. Trigonometric Function**	**1. Linear Inequalities 2. Complex no and quadratic equation 3. Trigonometric Function 4. Set Theory 5. Relation and function**	**1. Conic Section 2. Introduction to Three Dimensional Geometry . 3. Limits and derivatives**	**1. Statistics 2. Complex No and Quadratic equation . 3. Permutation and Combination 4. Trigonometry 5. Sequence and Series 6. Straight lines**

			6. Straight lines		7. Introduction to Three Dimensional Geometry. 8. Conic section 9. Binomial Theorem 10. Probability
5	PHYSICS	1. Units and measurement 2. Motion in a straight line 3. Motion in a plane	1.Units and measurement 2. Motion in a straight line 3. Motion in a plane 4. Laws of motion 5. Work, Energy, Power 6. System of particles and rotational motion (center of mass of a uniform rod)	1. System of particles and rotational motion 2. Gravitation	1. Motion in a plane 2. Laws of motion 3. Work Energy Power 4. System of particles and rotational motion (center of mass of a uniform rod). 5. Gravitation 6. Mechanical properties of solid and fluids 7. Thermal properties of matter 8. Thermodynamics 9. Kinetic theory of gases 10. Oscillation 11. Waves
6	CHEMISTRY	1. Chapter – 1 : Some basic concepts of chemistry 2. Chapter – 2 : Structure of atom	1. Chapter – 1 : Some basic concepts of chemistry 2. Chapter – 2 : Structure of atom 3. Chapter – 3 : Classification of elements and periodicity in properties 4. Chapter – 4 : Chemical bonding and molecular structure 5. Chapter – 8 : Organic chemistry : some basic principles and technique	1. Chapter – 5 : Thermodynamics 2. Chapter – 6 : Equilibrium (only chemical equilibrium part) 3. Chapter – 7 : Redox	1. Chapter – 1 : Some basic concepts of chemistry 2. Chapter – 2 : Structure of atom 3. Chapter – 3 : Classification of elements and periodicity in properties 4. Chapter – 4 : Chemical bonding and molecular structure 5. Chapter – 5 : Thermodynamics 6. Chapter – 6 : Equilibrium 7. Chapter – 7 : Redox 8. Chapter – 8 : Organic chemistry : some basic principles and technique 9. Chapter – 9 : Hydrocarbon
7	BIOLOGY	Chapter-1: The Living	Chapter-1: The Living World	Chapter-13: Photosynthesis	PRESCRIBE SYLLABUS FOR

		World Chapter-2: Biological Classification Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants	Chapter-2: Biological Classification Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organization in Animals Chapter-8: Cell-The Unit of Life Chapter9:Biomolecules Chapter-10: Cell Cycle and Cell Division	in Higher Plants Chapter-14: Respiration in Plants Chapter-15: Plant - Growth and Development Chapter-17: Breathing and Exchange of Gases	C.B.S.E
8	COMP. SC	Unit 1: Computer Systems and Organisation ● Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) ● Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software ● Operating System(OS): functions	Unit 1: Computer Systems and Organisation ● Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) ● Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software ● Operating System(OS): functions of the operating system, OS user interface ● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth tables and De Morgan's laws, Logic circuits ● Number System: Binary,	● Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list. ● Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(),	Unit 1: Computer Systems and Organisation ● Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) ● Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software ● Operating System(OS): functions of the operating system, OS user interface ● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth tables and De Morgan's laws, Logic circuits ● Number System: Binary, Octal, Decimal and Hexadecimal number

		of the operating system, OS user interface ● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth tables and De Morgan's laws, Logic circuits ● Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems ● Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32	Octal, Decimal and Hexadecimal number system; conversion between number systems ● Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) Unit 2: Computational Thinking and Programming - I ● Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition ● Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments ● Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types. ● Operators: arithmetic operators, relational operators,	index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; ● Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted();	system; conversion between number systems ● Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) Unit 2: Computational Thinking and Programming - I ● Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition ● Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments ● Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types. ● Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) ● Expressions, statement, type conversion, and input/output:

			logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) **● Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.** **● Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow** **● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.** **● Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.** **● Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(),**		**precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.** **● Errors- syntax errors, logical errors, and run-time errors** **● Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow** **● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.** **● Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.** **● Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split()** **● Lists: introduction, indexing, list operations (concatenation, repetition, membership and**

			upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split()		**slicing), traversing a list using loops, built-in functions/methods– len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.** **● Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.** **● Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a**

					dictionary, create a dictionary with names of employees, their salary and access them. **● Introduction to Python modules: Importing module using 'import ' and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()).** **Unit 3: Society, Law and Ethics** **● Digital Footprints** **● Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes** **● Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)** **● Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying** **● Cyber safety: safely browsing the web, identity protection, confidentiality ● Malware: viruses, trojans, adware** **● E-waste management: proper disposal of used electronic gadgets.** **● Information Technology Act (IT Act)** **● Technology and society: Gender**

					and disability issues while teaching and using computers
9	**P.ED**	**CHAPTER 1:- Changing Trends and Career in Physical Education.** **CHAPTER 2:- Olympic Value Education.**	**CHAPTER 1:- Changing Trends and Career in Physical Education.** **CHAPTER 2:- Olympic value Education.** **CHAPTER 3:- Yoga.** **CHAPTER 4:- Physical Education &Sports for CWSN.** **CHAPTER 5:- Physical Fitness, Wellness & Lifestyle.**	**CHAPTER 6:- Test, Measurement & Evaluation.** **CHAPTER 7:- Fundamentals Of Anatomy , Physiology In Sports.**	**CHAPTER 1:- Changing Trends and Careers in Physical Education.** **CHAPTER 2:- Olympic value Education.** **CHAPTER 3:- Yoga.** **CHAPTER 4:- Physical Education &Sports for CWSN.** **CHAPTER 5:- Physical Fitness ,Wellness & Lifestyle.** **CHAPTER 6:- Test, Measurement & Evaluation.** **CHAPTER 7:- Fundamentals Of Anatomy , Physiology In Sports.** **CHAPTER 8:- Fundamentals Of Kinesiology & Biomechanics in Sports.** **CHAPTER 9:- Psychology And Sports.** **CHAPTER 10:- Training & Doping In Sports.**