B.B.S. INTERNATIONAL SCHOOL, GOHRI, PRAYAGRAJ

SYLLABUS FOR FIRST TERM (2025-26)

CLASS – XI (Science Group)

Subject	Syllabus
Mathematics	**Unit-I: Sets and Functions** (Sets & Relation and Functions) **Unit-II:** Trigonometric Function **Unit-III:** Complex Number and Inequality , Permutation and combination
Hindi	**व्याकरणः** अपठित काव्यांश, अपठित गद्यांश **अप्रत्याशित रचनात्मक लेखनः** पाठ–1 जनसंचार, पाठ–2 पत्रकारिता के विविध आयामक कार्यालयीपत्र **गद्य खण्डः** पाठ 1– नमक का दरोगा (प्रेमचंद), पाठ 2– मियाँ नसीरूद्दीन (कृष्णा सोबती) पाठ 3– अप्पू के साथ ढाई साल (सत्यजीत राय) पाठ–.4 विदाई संभाषण (बाल मुंकुद गुप्त) **काव्य खण्डः** पाठ 1– हम तौ एक–एक करि जांनां (कबीर दास) पाठ 2– मेरे तो गिरधर गोपाल (मीरा) पाठ–3 'घर की याद' (भवानी प्रसाद मिश्र) पाठ–4 चंपा काले–काले अच्छर नहीं चीन्हती (त्रिलोचन) **वितानः** पाठ–1 भारतीय गायिकाओं में बेजोड़ लता मंगेशकर पाठ–2 राजस्थान की रजत बूँदें।
Physics	Ch 1. Units and Measurement Ch 2. Motion in Straight Line Ch 3. Motion in Plane Ch 4. Laws of Motions Ch 5. Work Energy & Power Ch.6 Rotational Motion
Chemistry	Ch 1. Some Basic Concept in Chemistry Ch 2. Structure of the Atom Ch 3. Classification of Elements and Periodicity in Properties. Ch.4 Chemical Bonding
Physical Education	Unit-I Changing Trends & Career in Physical Education Unit-II Olympic Value Education Unit-III Yoga Unit-IV Physical Education and Sports for CWSN Unit-V Physical Fitness, Wellness & Lifestyle
Biology	Ch 1. Living World Ch 2. Biological Classification Ch 3. Plant Kingdom Ch 4. Animal Kingdom Ch 5. Morphology of Flowering Plant Ch.6 Anotomy of flowering plants Ch.7 Structural organization in Animals (Frog) Ch.8 Cell
English	**Prose:** **Ch.1-** The Portrait of A Lady **Ch.2-** We are not Afraid to die…. If we call all be together **Ch.3-** Discovering Tut: The Saga Continues **Poetry-** (i) The Photograph (ii) The Laburnum Top (iii) The Voice of the Rain **Snapshot:** **Ch.1-** The Summer of the Beautiful White Horse **Ch.2-** The Address **Ch.3-** Mother's Day **Grammar:** Tenses Reordering of sentences/ Gap filling , Unseen Passage. **Writing:** Poster, Debate/ Speech

Computer Science	**Unit I: 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, NOT, 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) **Unit II: 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: 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.