SMCK SYLLABUS 2025-26

Cls 11 – SCIENCE STREAM

ENGLISH - I (Eng. Lang.)

UNIT TEST 1: Article Writing, Grammar
HALF YEARLY
Total English: Units 1 to 8
Composition, Report writing, Proposal Writing, Grammar, Comprehension
UNIT TEST 2: Proposal Writing, Grammar
FINAL EXAMS
Total English: Units 9 to 15
Composition, Report Writing, Proposal Writing, Grammar, Comprehension

ENGLISH - II (Eng. Lit.)

UNIT TEST 1
Prism: A Living God
 Rhapsody: Abhisara: The Tryst
HALF YEARLY
Macbeth: Act I
Prism:
1.A Living God
2. Advice to Youth
3.The Paper Menagerie
Rhapsody
1 Abhisara: The Tryst
2 Why I like the Hospital

UNIT TEST 2
Prism: The Great Automatic Grammatizator
Rhapsody: Sonnet 116
FINAL EXAMS
Macbeth: Act II
Prism
1. The Great Automatic Grammatizator
2. Thank you, Ma'am
Rhapsody
1. Sonnet 116
2. Death of a Naturalist
3. Strange Meeting
Note: The entire syllabus will be included in the Final examinations.

PHYSICS

UNIT TEST – 1 :   Dimensional analysis, Kinematics
HALF YEARLY: Laws of motion, Work Energy and power, Motion of system of

particles and rigid body, Gravitation

UNIT TEST – 2 :   Properties of Bulk matter
 FINAL TERM: Entire term I syllabus, Heat and Thermodynamics, behaviour of Perfect gases and kinetic Theory of gases, Oscillations and waves.

CHEMISTRY

UNIT 1:

- Classification of elements and periodicity in properties,
- Organic Chemistry - Nomenclature

HALF YEARLY:

- Some basic concepts of chemistry,
- Structure of atoms,
- Classification of elements and periodicity in properties,
- Chemical bonding and Molecular Structure,
- Organic Chemistry - Nomenclature,
- Redox reaction,
- Hydrocarbons - Alkanes
- Practicals

UNIT 2:

- Organic Chemistry - Nomenclature,
- Hydrocarbons. - Alkanes, Alkenes, Alkynes and Arenes

FINAL TERM:

- Chemical Thermodynamics
- Equilibrium,
- Complete Organic Chemistry,
- Hydrocarbons - Alkanes, Alkenes, Alkynes and Arenes

First Term Syllabus

BIOLOGY

UNIT Test-1: Living World, Biological Classification
HALF YEARLY: Living World, Biological Classification, Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants, Anatomy of Flowering Plants, Structural Organisation In Animals (Frog), Cell: The Unit of Life, Biomolecules, Cell Cycle and Cell Division, Bio-Practicals
UNIT Test-2:   Photosynthesis in Higher Plants, Respiration in Plants,
Plant Growth and Development
FINAL TERM: Photosynthesis in Higher Plants, Respiration in Plants, Plant Growth and Development, Breathing and Exchange of Gases, Body Fluids and Circulation, Excretory Products and Their Elimination, Locomotion and Movement, Neural Control and Co-Ordination, Chemical Coordination and Integration, Entire Half yearly Syllabus, Bio-Practicals

Computer Science

Unit Test-1 :

Basic Computer Hardware and Software:

1. Representation of numbers in different bases and interconversion between them. Addition and subtraction operations for numbers in different bases. Number System, Conversion from one base to another base, Direct Conversion, Binary Arithmetic (Addition and Subtraction operations for numbers in different bases)

2. Encodings Binary encodings for integers and real numbers using a finite number of bits (sign-magnitude, 2's complement, mantissa-exponent notation), Characters and their encodings (e.g. ASCII, ISCII, Unicode). Character Set, Character Encoding Scheme, Signed & Unsigned Number, LSB, MSB, Operations (arithmetic, logical, shift),

Floating-Point representation, normalized scientific notation, mantissa-exponent representation

Half Yearly : Unit Test-1 Syllabus, 3. Propositional logic, Hardware implementation, Arithmetic operations, Well-Formed Formulae, Truth Table, Truth values, Logic & Hardware, Logical Gates, Universal Gates, Maxterms & Minterms, Canonical and Cardinal representation, Boolean expressions to Sum of Products and Product of Sums forms, SOP and POS representation.

Entire ICSE Computer Syllabus, JVM, JRE, IDE, Translators, Primitive data Types, Casting, Variable, Expressions, Statements, Control Structure and Scope, Basic Input/ Output, Strings, String Buffer, Application of String class functions, Functions, Arrays(1D & **2D**), 1D & 2D Array as an Instance Variable, User Defined Class, Objects, this keyword, Constructor, Instance variable & Methods, Class (static) variable & Methods, Wrapper Class & its functions, OOPs Concept, Types of Error, Compile-time and Run-time errors, scope and visibility of variables Changing types through user defined casting and automatic type coercion or casting for some primitive types.

Unit Test-2 :   String Tokenizer, Recursion, Recursive Functions.

Final Exam :   Entire Term 1 Syllabus, String Tokenizer, Recursion, Recursive Functions, Scanner & Printer Class, Data File Handling (Binary and Text file operations – Creation, Reading, Writing, Appending and Searching), Operation on Files, Types of Error, basic concept of an exception, the Exception class, try-catch, throw, throws and finally, Exception Handling, Packages, Implementation of Algorithms.

PHYSICAL EDUCATION
Unit Test-1:   Football   Badminton
Half Yearly Exam: Section 'A' : Concept of physical education, Individual aspect and group dynamics, Effect of physical exercise on human body systems
                     Section 'B' :   Badminton, Football
Unit Test-2:   Section B : Football
Final Exam: Nutrition Weight control and Exercise, Physical fitness and wellness,

Games and sports - a global perspective. Entire syllabus of Half yearly exam.

Fashion Designing
Unit test 1- Introduction to Fashion, Design

Half yearly - Introduction to Fashion, Design, Wardrobe planning.

Practical - Creative use of various types of decoration, Cutting and finishing techniques. Basic illustration.

Second Unit Test: Wardrobe planning, designers

Finals- Introduction to Fashion, Design, Wardrobe planning, Designers, Care of clothes.

Practical- Taking body measurements, Accessory making.

ARTS
UNIT TEST-1:
   Still Life: 3D Shapes and Shade, Books and pen stand, Money plant pot and kite

Nature: Carnation, Falx, Lilly, Croton.

HALF YEARLY EXAM:

Still Life: Ladies Purse, umbrella and Goggles. kettle and Cup plate, Tiffin Box, Flower Pot and Water bottle.

Nature: Money Plant, Rose, Pink Oleander, Yellow Oleander.

UNIT TEST 2:

Still Life: Apple, Books and Glass, Transparent Bowl with Fruits,

Nature: Papaya, Pineapple, Dahlia.

FINAL EXAM:

Still Life: Flask and Ladies Purse, bucket mug and brush, Vegetables basket.

Nature: Bougainvillea, Petunia, Zinnia.

Value Education

HALF YEARLY

1. The Unruly Guests
2. Adolescence
3. True Happiness
4. Smoking Kills
5. A Grave Problem
6. People With Special Needs

FINAL

1. Practising Yoga
2. Social Networking Sites
3. A Necessary Evil
4. Swachh Bharat Abhiyan
5. Gems of India
6. Global Icons

HINDI

UNIT TEST – 1

गद्य – पुत्र प्रेम, गौरी,

काव्य मंजरी - साखी,

व्याकरण – मुहावरे, वाक्यों को शुद्ध करना ।

HALF YEARLY EXAM:

गद्य - पुत्र प्रेम, गौरी, भक्तिन

काव्य मंजरी - साखी, सूरदास, उद्यमी नर

सारा आकाश - उपन्यास, पूर्वार्ध सांझ अंक 1, 2, 3, 4, 5

व्याकरण – निबंध, कहानी, मुहावरे, वाक्यों को शुद्ध करना, अपठित गद्यांश

UNIT TEST – 2:

गद्य - शरणागत

काव्य मंजरी – एक फूल की चाह

व्याकरण - मुहावरे, वाक्यों को शुद्ध करना

FINAL EXAM:

गद्य - शरणागत, सती

काव्य मंजरी – एक फूल की चाह, आ: धरती कितना देती है

सारा आकाश – उपन्यास, पूर्वार्ध सांझ अंक 1 to 10

व्याकरण - निबंध, कहानी, मुहावरे, वाक्यों को शुद्ध करना, अपठित गद्यांश ।

 संपूर्ण पाठ्यक्रम (Term 1,Term 2)