ST. MARK'S SR. SEC. PUBLIC SCHOOL, MEERA BAGH
CLASS - XI (2024 - 2025)
PERIODIC 1 SYLLABUS

ENGLISH

Reading - Comprehension Passage
Hornbill - Prose: The Portrait of a Lady
Poem - A Photograph
Snapshot - The Summer of the Beautiful White Horse
Writing - Poster Making, Speech
Grammar - Rearranging jumbled words into meaningful sentences, Tenses

CHEMISTRY

Chapter 1 - Some Basic Concepts of Chemistry, Chapter 2 - Structure of Atom

PHYSICS

Chapter 2 - Units and Measurements, Chapter 3 - Motion in a straight line

MATHS

Chapter 1 - Sets, Chapter 3 - Trigonometric Functions, Chapter 5 - Complex Numbers and Quadratic Equations

BIOLOGY

Chapter 1 - The Living World, Chapter 2 - Biological Classification, Chapter 3 - Plant Kingdom

COMPUTER SCIENCE

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, 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 2: Computational Thinking and Programming – I

· 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)

HISTORY

Chapter 1 - Writing and City life, Chapter 2 - An Empire across three Continents.

POLITICAL SCIENCE

Book - Indian Constitution At Work

Chapter 1 - Constitution: Why and how?
Chapter 2 - Rights in the Indian Constitution.

SOCIOLOGY

Unit 1 - Sociology, Society and its Relationship with other Social Sciences

Unit 2 - Terms, Concepts and their use in Sociology
  - Social Groups and Society
  - Social Stratification

ECONOMICS

Statistics for Economics

Unit 1: Introduction
Unit 2: (Chapter - 3) Collection of Data

Introductory Microeconomics

Unit 4: Introduction
Unit 5: (Chapter - 3) Consumer's Equilibrium and Demand

INFORMATICS PRACTICES

Unit 1: Introduction to Computer System Introduction to computers and computing: evolution of computing devices, components of a computer system and their interconnections, Input/Output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types – system and application software, generic and specific purpose software.

Unit 2: Introduction to Python Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements, data type conversion, debugging, control statements: if-else, for loop.

HOME SCIENCE

Chapter 1 – Introduction, Chapter 2 (a, b, c) - Understanding Self, Chapter 3 - Food, Nutrition, Health and Fitness

PHYSICAL EDUCATION

Chapter 1 - Changing trends and careers in Physical Education, Chapter 2 - Olympic Value Education

ACCOUNTANCY

Chapter 1 - Introduction of Accounting, Chapter 2 - Basic Accounting Terms, Chapter 3 - Accounting Standards and IFRS, Chapter 4 - Bases of Accounting, Chapter 5 - Accounting Equation

BUSINESS STUDIES

Chapter 1 - Nature and Purpose of business, Chapter 2 - Forms of Business Organisations except Formation of a Company