

ST. MARK'S SCHOOL

CLASS XI – SYLLABUS – PERIODIC ASSESSMENT-1 (2021-22)

ENGLISH

Reading Skills – Long reading comprehension

Hornbill – The Portrait of a Lady

Poems – A Photograph

Snapshots – The Summer of the Beautiful White Horse

Grammar – Rearranging of words or phrases into meaningful sentences; Transformation of sentences; Gap Filling (Determiners and Tenses)

Writing Skills – Notice, Poster

BIOLOGY

Ch.8 – Cell - The unit of life, **Ch.10** – Cell cycle and cell division

MATHEMATICS

Chapter – SETS (Excluding Difference of Sets, Complement of a set, Properties of Complement)

PHYSICS

Ch.2 – Units and Measurements, **Ch.3** – Motion in a Straight Line

CHEMISTRY

Ch.2 – Structure of atom

(Deleted portion : Discovery of Electron, Proton and Neutron, atomic number, Isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations)

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 & interpreter), application software
- Operating system (OS): functions of operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De Morgan's laws and logic circuits
- Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems.
- Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32)
- Emerging trends: Cloud computing, cloud services (SaaS, IaaS, PaaS), blockchains, Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT)

BUSINESS STUDIES

Part A : Foundation of Business

Unit 1 : Evolution and Fundamentals of Business

Unit 2 : Forms of Business Organisations

Sole Proprietorship and Hindu Undivided Family Business

ACCOUNTANCY

Part A : Financial Accounting I.

Unit 1 - Theoretical Framework

Ch.1 - Introduction to Accounting

Ch.2 - Basic Accounting Terms

Ch.3 - Theory Base of Accounting, Accounting Standards and Indian Accounting Standards (Ind-AS) {excluding Ind-AS}

Unit 2 - Accounting Process

Ch.5 - Accounting Equation

ECONOMICS

STATISTICS - Unit 1: Introduction-Meaning, scope and importance of statistics.

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.

POLITICAL SCIENCE

Constitution: Why and How?

Rights

HISTORY

Ch.2 : Writing in City Life, **Ch.3** : An Empire Across Three Continents

SOCIOLOGY

Unit One - Introducing Sociology

Ch.1 – Society, Sociology, and its relationship with other Social Sciences.

Ch.2 – Basic Concepts and their use in Sociology.

HOME SCIENCE

Ch.1 - Human Ecology and Family Sciences, **Ch.2** - Understanding the Self, **Ch.3** - Food, Nutrition, Health and Fitness, **Ch.4** - Management of Resources.

PHYSICAL EDUCATION

Unit 1 : Changing Trends and Career in Physical Education, **Unit 2** : Olympic Value Education