

**ST. MARK'S SCHOOL**  
**CLASS XII – SYLLABUS – PERIODIC ASSESSMENT 1 (2021-2022)**

**ENGLISH**

**READER (Flamingo)** - The Last Lesson

**Poems** – My Mother at Sixty-Six

**SUPPLEMENTARY READER (Vistas)** - The Third Level

**READING SECTION**- Comprehension Passage

**WRITING SKILLS**- Notice; Article

**ECONOMICS**

**MACRO ECONOMICS**

**Unit 6** - Money and Banking

**Unit 8** - Government Budget and the Economy

**POLITICAL SCIENCE**

**Book 1-**

1. Cold war and Non - Aligned Movement, NIEO

2. End of Bipolarity - Disintegration of Soviet Union, Unipolar world, Middle East Crisis, Afghanistan crisis, Democratic politics - CIS and Arab Spring

**SOCIOLOGY**

**Unit One**

**Indian Society**

**Ch.2** - Demographic Structure and Indian Society

**Unit Two**

**Social Change and Development in India**

**Ch.1** - Structural Change

**PHYSICAL EDUCATION**

**Ch.1** - Planning in sports

**Ch.2** - Sports and Nutrition

**BIOLOGY**

**Unit - REPRODUCTION**

**Ch.1** - Reproduction in Organisms

**Ch.2** - Sexual Reproduction in flowering plants

**MATHEMATICS**

1. **Matrices** (excluding existence of non-zero matrices whose product is the zero matrix, concept of elementary operations, proof of uniqueness)
2. **Determinants** (excluding properties of determinants, consistency, inconsistency and number of solutions of linear equations by examples)

## **BUSINESS STUDIES**

### **Part A Principles and functions of management**

**Ch.1** - Nature and Significance of Management

### **Part B Business Finance and Marketing**

**Ch.11** - Marketing Management (**Deletions: Physical Distribution- Components and Channels of Distribution**)

## **INFORMATICS PRACTICES**

### **Revision Tour of Class XI**

#### **Unit 1: Data Handling using Pandas Data Handling using Pandas -I**

Introduction to Python libraries- Pandas.

Data structures in Pandas - Series and data frames.

Series: Creation of series from ndarray, dictionary, scalar value; mathematical operations; series attributes, head and tail functions; selection, indexing and slicing.

Data Frames: creation of data frames from dictionary of series, list of dictionaries, text/CSV files, display, iteration. Operations on rows and columns: add add (insert /append) , select, delete (drop column and row), rename, Head and Tail functions, indexing using labels,

Boolean indexing; joining, merging and concatenation of data frames.

Importing/Exporting Data between CSV files and Data Frames. *(for practical only)*

## **HOME SCIENCE**

**Ch.1** : Work, Livelihood and Career

**Ch.2** : Clinical Nutrition and Dietetics

**Ch.3** : Public Nutrition and Health

**Ch.5** : Food Processing and Technology

## **HISTORY**

**Ch.1** : The Harappan Civilization

**Ch.2** : Kings, Farmers and Towns

## **COMPUTER SCIENCE**

### **Unit I: Computational Thinking and Programming - 2**

- Revision of Python topics covered in Class XI.
- Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file.

## **CHEMISTRY**

**Unit 10** : Haloalkanes and haloarenes

**Unit 11** : Alcohols, phenols and ethers

## **ACCOUNTANCY**

**Part A** : Accounting for Not-for-Profit Organisations, Partnership Firms and Companies

**Unit 2** : Accounting for Partnership Firms

Fundamentals

Valuation of Goodwill

Admission of a partner (Deletion- Adjustment of capital accounts)

## **PHYSICS**

**Ch.1** : Electric Charges and Fields

**Ch.2** : Electrostatic Potential and Capacitance

**Ch.3** : Current Electricity