

**ST.MARK'S SCHOOL**  
**CLASS X – SYLLABUS (2021-2022)**

**ENGLISH**  
**PERIODIC ASSESSMENT 1**

**FIRST FLIGHT :**

**PROSE** : 1 – A Letter to God.

**POETRY** : 1 – Dust of Snow, 2 – Fire and Ice.

**FOOTPRINTS WITHOUT FEET** : 1 – A Triumph of Surgery, 2 – The Thief's Story.

**GRAMMAR** : Integrated grammar questions- Error-Finding, Omission, (Tenses, Modals, Subject –Verb concord, Determiners).

**WRITING SKILLS** : Analytical Paragraph Writing based on the given charts, graphs, outline/clues.

**MID TERM EXAMINATION**

**FIRST FLIGHT:**

**PROSE** : 1 – A Letter to God, 2 – Nelson Mandela : Long Walk to Freedom, 3 – Two stories about flying : Part I and II, 4 – From the Diary of Anne Frank, 5 – Glimpses of India – I, II, III,

**POETRY** : 1 – Dust of Snow, 2 – Fire and Ice, 3 – A Tiger in the Zoo, 4 – The Ball Poem

**FOOTPRINTS WITHOUT FEET** : 1 – A Triumph of Surgery, 2 – The Thief's Story, 3 – Footprints without Feet.

**GRAMMAR** : Integrated grammar questions- Error-Finding, Omission, Gap filling based on these grammar topics (Tenses, Modals, Subject –Verb concord, Determiners).

**WRITING SKILLS** : Formal Letter Writing-Letter to the Editor, Letter of Order, Letter of Enquiry, Letter of Complaint and Analytical Paragraph Writing based on the given charts, graphs, outline/clues.

**हिन्दी कोर्स बी**

**प्रथम समसामयिक मूल्यांकन पाठ्यक्रम**

- 1) कबीर (साखी )
- 2) ततौरा – वामीरों कथा
- 3) मुहावरे
- 4) रचना के आधार पर वाक्य रूपांतरण
- 5) विज्ञापन

**अर्धवार्षिक परीक्षा**

स्पर्श भाग 2 बड़े भाई साहब ततौरा-वामीरो

काव्य खंड: मीरा पद, मैथिलीशरण गुप्त मनुष्यता, कबीर की साखी

संचयन हरिहर काका, सपनों के से दिन

व्याकरण: पदबंध, रचना के आधार पर वाक्य रूपांतरण, अपठित गद्यांश

रचनात्मक लेखन : अनुच्छेद, पत्र- लेखन, विज्ञापन-लेखन, सूचना-लेखन

**MATHEMATICS**  
**PERIODIC ASSESSMENT 1**

**1. POLYNOMIALS**

**MID TERM EXAMINATION**

**1. REAL NUMBERS**

**Topic Removed** – Euclid's division lemma.

**2. POLYNOMIALS**

**Topic Removed** –

Statement and Simple problems on division algorithm for polynomials with real coefficients.

**3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES**

**Topic Removed** – Cross Multiplication Method.

**4. TRIANGLES**

**Topic Removed** –

Proofs of the following theorems are deleted:

\* The ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides.

\* In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angle opposite to the first side is a right angle.

**5. INTRODUCTION TO TRIGONOMETRY**

**Topic Removed** –

\* Motivate the ratios whichever are defined at  $0^\circ$  and  $90^\circ$ .

\* Trigonometric ratios of complementary angles.

**6. SOME APPLICATIONS OF TRIGONOMETRY (No deletion)**

**7. STATISTICS**

**Topic Removed** –

\* Step Deviation Method for finding the mean

\* Cumulative Frequency graph

**SCIENCE**

**PERIODIC ASSESSMENT 1**

**PHYSICS** – Ch. 12 – Electricity (till series and parallel combination) till page 215

**CHEMISTRY** – Ch. 1 – Chemical Reactions and Equations

Ch.2 – Acid and Bases till section 2.3 (**Excluded - Section 2.4 – More about Salts**)

**BIOLOGY** – Life processes (till Respiration)

**MID TERM EXAMINATION**

**PHYSICS** : Ch. 10 – Light, Ch. 12 – Electricity

**CHEMISTRY** : Ch. 1 – Chemical Reactions and Equations, Ch. 2 – Acids, Bases and Salts, Ch. 3 – Metals and Non-Metals (**Topics deleted – Basic Metallurgical processes; corrosion and its prevention**), Ch. 5 – Periodic classification of Elements

**BIOLOGY** : Ch. 6 – Life Processes, Ch. 8 – How do organisms reproduce (**till reproductive health**), Ch. 9 – Heredity and Evolution (**Topics deleted – Basic concepts of evolution**), Ch. 15 – Our Environment (Ch. 16 – Management of Natural Resources included in Internal Assessment)

### **List of Practical :**

1. Studying the properties of acids and bases (HCL and NaOH) on the basis of their reaction with
  - a) Litmus Solution (Blue / Red)
  - b) Zinc Metal
  - c) Solid Sodium Carbonate
2. Performing and observing the following reactions and classifying them into
  - a) Combination reaction
  - b) Decomposition reaction
  - c) Displacement reaction
  - d) Double Displacement reaction
    - i. Action of water on quick lime
    - ii. Action of heat on ferrous sulphate crystals
    - iii. Iron nails kept in copper sulphate solution
    - iv. Reaction between Sodium sulphate and barium chloride solution
3. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determining its resistance. Also plotting a graph between V and I.
4. Experimentally show that carbon di oxide is given out during respiration.

## **SOCIAL SCIENCE**

### **PERIODIC ASSESSMENT 1**

**POLITICAL SCIENCE** : 1 – Power sharing

**ECONOMICS** : 1 – Development

### **MID TERM EXAMINATION**

**HISTORY** : 1 – The Rise of Nationalism in Europe

**POLITICAL SCIENCE** : 1 – Power sharing, 2 – Federalism, 3 – Outcomes of Democracy

**ECONOMICS** : 1 – Development, 2 – Sectors of the Indian Economy

**GEOGRAPHY** : 1 – Resources and Development, 2 – Agriculture

## **COMPUTER APPLICATIONS**

### **PERIODIC ASSESSMENT 1**

#### **Unit 2 : HTML**

- Introduction to web page designing using HTML: create and save an HTML document, access a web page using a web browser.
- HTML tags: html, head, title, body, (attributes: text, background, bgcolor, link, vlink, alink), br (break), hr (horizontal rule), inserting comments, h1..h6 (heading), p (paragraph), b (bold), i (italics), u (underline), ul (unordered list), ol (ordered list), and li (list item). Description lists: dl, dt and dd. Attributes of ol (start, type), ul (type).
- Font tags (attributes: face, size, color).
- Create a table using the tags: table, tr, th, td, rowspan, colspan

### **MID TERM EXAMINATION**

#### **Unit 2 : HTML**

- Introduction to web page designing using HTML: create and save an HTML document, access a web page using a web browser.

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- Font tags (attributes: face, size, color).
- Insert images: img (attributes: src, width, height, alt), sup (super script), sub (subscript).
- HTML Forms: Textbox, radio buttons, checkbox, password, list, combobox.
- Embed audio and video in a HTML page.
- Create a table using the tags: table, tr, th, td, rowspan, colspan
- Links : significance of linking, anchor element (attributes: href, mailto), targets.

### **Unit 3: Cyber ethics**

- Netiquettes.
- Software licenses and the open source software movement.
- Intellectual property rights, plagiarism and digital property rights.
- Freedom of information and the digital divide.
- E-commerce: Privacy, fraud, secure data transmission.

## **HOME SCIENCE**

### **PERIODIC ASSESSMENT 1**

Ch. 1 – Play, Ch. 2 – Features of Childhood

### **MID TERM EXAMINATION**

Ch. 1 – Play, Ch. 2 – Features of Childhood, Ch. 3 – Features of Adolescence, Ch. 5 – Time and Energy Management, Ch. 7 – Food and Personal Hygiene

कक्षा दशमी - संस्कृतम् पाठ्यक्रमः (2021-22)

प्रथम सामयिकी परीक्षा-

पाठः1- शुचिपर्यावरणम् , पाठः2-बुद्धिर्बलवती

व्याकरणम् - व्यंजन संधिः- (प्रथम वर्ण का तृतीय वर्ण में परिवर्तन, प्रथम वर्ण का पञ्चम वर्ण में परिवर्तन), प्रत्ययः- त्व, टाप् ,समय लेखनम् , अव्ययपूर्तिः।

## (अर्धवार्षिकी परीक्षा)

- शेमुषी पाठ्यपुस्तक भाग 2 - पाठ 1 – शुचिपर्यावरणम् , पाठ 2- बुद्धि बलवती सदा, पाठ 5 जननी तुल्य वत्सला ।
- व्याकरणम् - व्यंजन सन्धिः - वर्गीय प्रथमवर्णस्य तृतीयवर्णं परिवर्तनम्, वर्गीय प्रथमवर्णस्य पंचम वर्णं परिवर्तनम्
- समासाः - तत्पुरुष (द्वितीया से सप्तमी विभक्तिः)
- प्रत्ययाः - ल्व , टाप्
- अव्यय पदानि
- अशुद्धि संशोधनम्
- वाच्य परिवर्तनम् (केवलं लट् लकारे)
- समय लेखनम् - (सामान्य - सपाद - सार्ध- पादोन)
- अपठित गद्यांशः
- औपचारिकं अनौपचारिकं वा पत्रम्
- चित्राधारित वर्णनम् अनुच्छेद लेखनम् वा
- संस्कृतभाषायाम् अनुवादः ।।