

# JOHN F. KENNEDY PUBLIC SCHOOL



## STUDENT'S HANDBOOK

Class: X

Session: 2021 – 2022

Name: .....

## SYLLABUS

### ENGLISH

#### **Unit Test I**

Literature: A Letter to God  
Nelson Mandela: long Walk to Freedom

Poetry: A Tiger in the Zoo

#### **Unit Test II**

Grammar: Determiners, Tenses, Re-ordering of sentences  
(MCQ on Gap-filling / Transformation of sentences)

Literature: Two Stories about Flying  
From the diary of Anne Frank

Poetry: Dust of Snow  
Fire and Ice

#### **Half Yearly**

Reading: Unseen Passages

Writing: Letter to the Editor, Letter of Complaint (Official)  
Letter of Complaint (Business)

Grammar: Tenses  
Subject- Verb Concord  
Modals  
Determiners  
Reported Speech  
Command and Requests  
Statements  
Questions

Literature: The Hundred Dresses  
A Triumph of Surgery  
The Thief Story  
Footprints without feet

Poetry: The Ball Poem

(Including the syllabus of Unit Test I and II)

## **Pre-Term**

All the sections (Reading, Writing and Literature) of UT I and UT II and Half Yearly will be included.

## **Term I**

All the sections (Reading, Writing and Literature) of UT I and UT II and Half Yearly will be included.

## **Term II**

Reading: Unseen Passages

Writing: Formal Letters: Letter of Enquiry, Letter of Order  
Analytical Paragraph

Grammar: Tenses  
Subject- Verb Concord  
Modals  
Determiners  
Reported Speech  
Command and Requests  
Statements  
Questions \

Literature: Glimpses of India  
Madam rides the Bus  
The Sermon at Benares  
The Proposal (play)  
The Making of a Scientist  
The Necklace  
The Hack Driver  
Bholi

Poetry: Amanda  
Animals  
The Tale of Custard the Dragon

## हिन्दी

### **इकाई परीक्षा 1**

गद्य खंड - पाठ 1 - बड़े भाई साहब

काव्य खंड - पाठ 1 - साखी

व्याकरण - पाठ 1 - पदबंध

### **इकाई परीक्षा 2**

गद्य खंड - पाठ 3 - ततौरा वामीरो कथा

काव्य खंड - पाठ 2 - मीरा के पद

व्याकरण - पाठ 2 - रचना के आधार पर वाक्य रूपांतरण

### **अर्धवार्षिक परीक्षा**

गद्य खंड - पाठ 1 - बड़े भाई साहब

पाठ 3 - ततौरा वामीरो कथा

पाठ 6 - अब कहाँ दूसरे के दुख से दुखी होने वाले

काव्य खंड - पाठ 1 - साखी, पाठ 2 - मीरा के पद

व्याकरण: (i) पदबंध, (ii) रचना के आधार पर वाक्य रूपांतरण,

(iii) समास, (iv) मुहावरे, (v) अपठित गद्यांश,

(vi) पठित पाठों के आधार पर गद्यांश और पद्यांश

**ग्री टर्म परीक्षा - समस्त पाठ्यक्रम**

**प्रथम सत्र (TERM 1) - समस्त पाठ्यक्रम**

A.S.L.

1. बोलने व सुनने की कौशल क्षमता पर आधारित परीक्षा

## सत्र 2

गद्य खंड - पाठ 7 - पतझर में टूटी पतियाँ

पाठ 8 - कारतूस

काव्य खंड - पाठ 4 - मनुष्यता, पाठ 5 - पर्वत प्रदेश में पावस ,  
पाठ 8 - कर चले हम फिदा

संचयन - पाठ 1 - हरिहर काका, पाठ 2 - सपनों के से दिन,  
पाठ 3 - टोपी शुक्ला

व्याकरण - (i) अनुच्छेद, (ii) औपचारिक पत्र लेखन, (iii) सूचना  
लेखन, (iv) विज्ञापन लेखन, (v) लघु कथा लेखन,

A.S.L.

1. बोलने व सुनने की कौशल क्षमता पर आधारित परीक्षा

## **MATHS**

### **Unit Test 1**

Chapter 1 – Real Numbers

Chapter 2 – Polynomials

Chapter 3 – Pair of Linear Equations in two variables

### **Unit Test 2**

Chapter 6 – Triangles

Chapter 7 – Coordinate geometry

Chapter 15 – Probability

### **Terminal 1**

Chapter 1 – Real Numbers

Chapter 2 – Polynomials

Chapter 3 – Pair of Linear Equations in two variables

Chapter 6 – Triangles

Chapter 7 – Coordinate geometry

Chapter 8 – Introduction to trigonometry

Chapter 12 – Areas related to circles

Chapter 15 – Probability

**Pre-Term:** As mentioned in Half Yearly

**Term I:** As mentioned in Half Yearly

### **Term II**

Chapter 4 – Quadratic Equations

Chapter 5 – Arithmetic Progressions

Chapter 9 – Some applications of trigonometry

Chapter 10 – Circles

Chapter 11 – Constructions

Chapter 13 – Surface areas and volumes

Chapter 14 – Statistics

## **SCIENCE**

### **Unit Test 1**

Lesson 10 – Light – Reflection & Refraction

Lesson 12 – Electricity

### **Unit Test 2**

Lesson 1 – Chemical Reaction & Equation

Lesson 2 – Acids, Bases & Salts

### **Half Yearly**

Lesson 1 – Chemical Reaction & Equation

Lesson 2 – Acids, Bases & Salts

Lesson 3 – Metals & Non-Metals

Lesson 6 – Life Process

Lesson 10 – Light – Reflection & Refraction

Lesson 11 – Human Eye and colourful world

**Pre-Term:** As mentioned in Half Yearly

**Term I:** As mentioned in Half Yearly

### **Term 2**

Lesson 4 – Carbon & Its Compounds

Lesson 5 – Periodic Classification of Elements

Lesson 8 – How do organism reproduce

Lesson 9 – Heredity & Evolution

Lesson 12 – Electricity

Lesson 13 – Magnetic Effects of Electric Current

Lesson 15 – Our Environment

**PRACTICALS**

Practical should be conducted alongside the concepts taught in theory classes.

**TERM-I****LIST OF EXPERIMENTS**

1. A. Finding the pH of the following samples by using pH paper/universal indicator:
  - (i) Dilute Hydrochloric Acid
  - (ii) Dilute NaOH solution
  - (iii) Dilute Ethanoic Acid solution
  - (iv) Lemon juice
  - (v) Water
  - (vi) Dilute Hydrogen Carbonate solution

B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

  - a) Litmus solution (Blue/Red)
  - b) Zinc metal
  - c) Solid sodium carbonate **Unit-I:(Chapter-2)**
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 quicklime
    - (ii) Action of heat on ferrous sulphate crystals
    - (iii) Iron nails kept in copper sulphate solution
    - (iv) Reaction between sodium sulphate and barium chloride solutions.

**Unit-I:(Chapter-1)**
3. A. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:
  - (i)  $\text{ZnSO}_4(\text{aq})$
  - (ii)  $\text{FeSO}_4(\text{aq})$
  - (iii)  $\text{CuSO}_4(\text{aq})$
  - (iv)  $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

B. Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result **Unit-I :(Chapter-3)**
4. Experimentally show that carbon dioxide is given out during respiration.

**Unit-II:(Chapter-6)**



5. Determination of the focal length of (i) Concave mirror and (ii) Convex lens by obtaining the image of a distant object. **Unit-III:(Chapter- 10)**

6. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. **Unit-III:(Chapter-10)**

7. Tracing the path of the rays of light through a glass prism. **Unit-III:(Chapter-11)**

### **TERM-II**

#### **LIST OF EXPERIMENTS**

1. 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. **Unit-IV:(Chapter-12)**
2. Studying (a) binary fission in *Amoeba*, and (b) budding in yeast and Hydra with the help of prepared slides. **Unit-II:(Chapter-8)**

## **SOCIAL SCIENCE**

### **Unit Test 1**

Geography: Chapter 1 – Resources and Development + Map  
Chapter 3 – Water Resources  
Chapter 4 – Agriculture + Map

### **Unit Test 2**

Democratic Politics: Chapter 1 – Power Sharing  
Chapter 2 – Federalism

### **Half Yearly**

Geography: Chapter 1 – Resources and Development  
Chapter 2 – Water Resources (only Map)  
Chapter 3 – Agriculture  
Map work

Democratic Politics: Chapter 1 – Power Sharing  
Chapter 2 – Federalism

History: Chapter 1 – Nationalism in Europe

Economics: Chapter 1 – Development  
Chapter 2 – Sectors of Indian Economy

**Pre-Term:** As mentioned in Half Yearly

**Term I:** As mentioned in Half Yearly

### **Term II**

Geography: Chapter 5 – Mineral & energy resources (only map)  
Chapter 6 – Manufacturing Industries (only Map)  
Chapter 7 – Lifelines of national economy (with map)

Democratic Politics: Chapter 6 – Political Parties  
Chapter 7 – Outcome of Democracy

History: Chapter 2 – Nationalism in India

Economics: Chapter 3 – Money and Credit  
Chapter 4 – Globalization & the Indian economy