

## **SUBJECT : ENGLISH**

**CLASS : 10th**

**Text Books : (1) First Flight**

**(2) Footprints without feet**

**Term I**

**April**

1. A letter to God
2. Nelson Mandela - Long Walk to Freedom
1. Dust of Snow
1. A triumph of Surgery

**May**

3. Two Stories About Flying
2. Fire and Ice
2. The Thief's Story
3. The Midnight Visitor

**July**

4. From the Diary of Anne Frank
3. A tiger in the Zoo
4. How to Tell Wild Animals
4. A Question of Trust

**August**

5. Glimpses of India
6. Mijbil the Otter
5. The Ball Poem
5. Footprints Without Feet

**September SA1 Exams**

**October**

7. Madam Rides the Bus
6. Amanda!
7. The Trees
6. The making of a Scientist

**November**

8. The Sermon at Benares
8. Fog

9. The Tale of Custard the Dragon
7. The necklace

**December**

9. The Proposal (Play)
10. For Anne Gregory
8. Bholi
9. The Book That Saved the Earth

**January and February** : Revision of whole syllabus

**March** : Annual Examination

**Note** : All writing topics (notice, message, advertisements, email, bio-sketch, diary writing , story writing, data interpretation, letter, article, report writing etc) and general Grammar topics will be covered in SA1 and SA2 each mandatorily.

## **SUBJECT : MATHEMATICS**

### **PRE MID TERM**

**April to May**

1. Real numbers
2. Polynomials
3. Pair of linear equations in two variables
4. Quadratic equations

**Suggestive Lab Activity :**

1. Zero of Linear Polynomial Graphically.
2. Two real zeros of a quadratic Polynomial Graphically.
3. To obtain the condition for consistency of a system of linear equation in two variables by Graphical method.
4. To verify the conditions for consistency/ inconsistency for a Pair of Linear Equations in two variable by graphically.

**Periodic Test 1:- 25% of Syllabus**

**June : Summer Vacation**

**July to Mid of September**

5. Arithmetic Progression
6. Triangles
7. Co-ordinate Geometry
8. Introduction of Trigonometry

9. Some Applications of Trigonometry

**Suggestive Lab Manual Activity :**

5. To identify the A.P in some given list of numbers
6. To find the sum of first n natural no.
7. To Establish a formula for the sum of first n terms of An A.P
8. To verify Basic Proportionality Theorem.
9. Proof of Pythagoras Theorem.
10. To establish the Criteria for similarity to Two Triangles.
11. To find the relationship between Areas and Sides of Similar Triangles.
12. To verify the Distance Formula by Graphically
13. To verify the Section Formula by Graphically.

**August : Revision Test**

**September : Periodic Test 2:- 50% of Syllabus**

**October to November**

10. Circles
12. Area Related To Circles

**Suggestive Lab Activity :**

15. To measure the height of object with the of Clinometers.
16. To find the number of Tangents from a point to the circle.
17. To verify that length of tangents to a circle from some external point are equal.
18. To obtain formula for Area of Circle.
19. To verify the formula for the Area of triangle by Graphically

**Periodic Test 3 :- 75% of Syllabus**

**December- Mid January**

13. Surface Areas And Volumes, 14. Statistics, 15. Probability

**Suggestive Lab Activity :**

20. To obtain formula for the surface Area of a Circular Cylinder.
21. To draw a Cumulative Frequency Curve of Less Than Type
22. To draw a Cumulative Frequency Curve of More Than Type

**Mid January to February : Revision**

**March : Annual Examination**

## विषय- हिंदी

पाठ्य पुस्तक - क्षितिज-2, कृतिका-2

व्याकरण : उत्थान हिन्दी व्याकरण-10 ( परमवीर प्रकाशन )

### प्रथम आवधिक

अपठित काव्यांश- अपठित गद्यांश

व्यावहारिक व्याकरण

1. रचना के आधार पर वाक्य भेद

2. वाच्य

3. पद परिचय

4. अलंकार - श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण,

क्षितिज-2 : ( गद्यखण्ड ) - नेताजी का चश्मा, बालगोबिन भगत, लखनवी अंदाज,  
एक कहानी यह भी

काव्य खंड : सूरदास, तुलसीदास, आत्मकथ्य, सूर्यकांत त्रिपाठी निराला

लेखन : अनुच्छेद लेखन, पत्र लेखन ( औपचारिक अथवा अनौपचारिक पत्र ),  
स्ववृत्त लेखन, ईमेल, विज्ञापन लेखन, संदेश लेखन,

कृतिका-2 : माता का आंचल, साना साना हाथ जोड़

### द्वितीय आवधिक

अपठित काव्यांश, अपठित गद्यांश

व्यावहारिक व्याकरण- रचना के आधार पर वाक्य भेद

वाच्य

पद परिचय

अलंकार- श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण

क्षितिज-2 : गद्यखण्ड - नौबतखाने में इबादत, संस्कृति

काव्य खंड : नागार्जुन, संगतकार

कृतिका-2 : मैं क्यों लिखता हूँ?

लेखन : अनुच्छेद लेखन - पत्र लेखन - स्ववृत्त लेखन, ईमेल, विज्ञापन लेखन,  
संदेश लेखन।

\*\*\*\*\*

## ਵਿਸ਼ਾ - ਪੰਜਾਬੀ (ਪਹਿਲੀ ਭਾਸ਼ਾ)

ਪ੍ਰਸਤਾਵਿਤ ਪੁਸਤਕਾਂ : ਸਾਹਿਤ-ਮਾਲਾ-10, ਵੰਨਗੀ-10

ਵਿਆਕਰਨ - ਨਰਿੰਦਰ ਸਿੰਘ ਦੁੱਗਲ

### ਅਪ੍ਰੈਲ-ਮਈ

ਅਣਡਿੱਠਾ ਪੈਰਾ

- ਕਾਵਿ-ਰਚਨਾ : ਸੋ ਕਿਉਂ ਮੰਦਾ ਆਖੀਐ (ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ)  
ਵਾਰਤਕ : ਘਰ ਦਾ ਪਿਆਰ (ਪ੍ਰਿ. ਤੇਜਾ ਸਿੰਘ)  
ਕਹਾਣੀ : ਕੁਲਫੀ (ਸੁਜਾਨ ਸਿੰਘ)  
ਇਕਾਂਗੀ : ਜ਼ਫਰਨਾਮਾ (ਡਾ. ਹਰਚਰਨ ਸਿੰਘ)  
ਵਿਆਕਰਨ : ਸਮਾਸੀ ਸ਼ਬਦ, ਬਹੁ -ਅਰਥਕ ਸ਼ਬਦ, ਲੇਖ (ਵਿਚਾਰ-ਪ੍ਰਧਾਨ)

### ਜੁਲਾਈ-ਅਗਸਤ

ਅਣਡਿੱਠੀ ਕਾਵਿ-ਟੁਕੜੀ

- ਕਾਵਿ-ਰਚਨਾ : ਕਿਰਪਾ ਕਰਿ ਕੈ ਬਖਿਸ ਲੈਹੁ (ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ)  
ਵਾਰਤਕ : ਬੋਲੀ (ਸ. ਗੁਰਬਖਸ਼ ਸਿੰਘ)  
ਕਹਾਣੀ : ਅੰਗ-ਸੰਗ (ਵਰਿਆਮ ਸੰਧੂ)  
ਵਿਆਕਰਨ : ਕਿਰਿਆ-ਵਿਸ਼ੇਸ਼ਣ, ਮੁਹਾਵਰੇ (ਕ, ਖ, ਗ)  
ਪੱਤਰ (ਨਿੱਜੀ ਪੱਤਰ), ਚਿੱਤਰ/ਫੋਟੋ/ਦ੍ਰਿਸ਼ ਵਰਨਣ

### ਸਤੰਬਰ : ਦੁਹਰਾਈ ਅਤੇ ਪ੍ਰੀਖਿਆ

#### ਅਕਤੂਬਰ-ਨਵੰਬਰ

- ਕਾਵਿ-ਰਚਨਾ : ਤੂੰ ਮੇਰਾ ਪਿਤਾ ਤੂੰ ਮੇਰਾ ਮਾਤਾ (ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ)  
ਸਤਿਗੁਰ ਨਾਨਕ ਪ੍ਰਗਟਿਆ (ਭਾਈ ਗੁਰਦਾਸ)  
ਵਾਰਤਕ : ਪ੍ਰਾਰਥਨਾ (ਡਾ. ਬਲਬੀਰ ਸਿੰਘ)  
ਕਹਾਣੀ : ਧਰਤੀ ਹੇਠਲਾ ਬਲਦ (ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ)  
ਵਿਆਕਰਨ : ਅਗੇਤਰ-ਪਿਛੇਤਰ, ਲੇਖ (ਆਮ -ਵਿਸ਼ੇ)

#### ਦਸੰਬਰ-ਜਨਵਰੀ

- ਕਾਵਿ-ਰਚਨਾ : ਜੰਗ ਦਾ ਹਾਲ (ਸ਼ਾਹ ਮੁਹੰਮਦ)  
ਵਾਰਤਕ : ਮੇਰੇ ਵੱਡੇ-ਵਡੇਰੇ (ਗਿਆਨੀ ਗੁਰਦਿੱਤ ਸਿੰਘ)  
ਤੁਰਨ ਦਾ ਹੁਨਰ (ਡਾ. ਨਰਿੰਦਰ ਸਿੰਘ ਕਪੂਰ)  
ਇਕਾਂਗੀ : ਦੂਜਾ ਵਿਆਹ (ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ)

ਵਿਆਕਰਨ : ਮੁਹਾਵਰੇ (ਘ, ਚ, ਛ, ਜ, ਝ)  
ਪੱਤਰ (ਬਿਨੈ-ਪੱਤਰ)  
ਫ਼ਰਵਰੀ-ਮਾਰਚ : ਦੁਹਰਾਈ ਅਤੇ ਸਾਲਾਨਾ ਪ੍ਰੀਖਿਆ।

## **SUBJECT : SCIENCE**

### **Term-1**

Ch-1 : Chemical Reaction and Equation  
Ch-2 : Acid Base and Salt  
Ch-6 : Life Processes  
Ch-7 : Control and Co-ordination  
Ch-10 : Light  
Ch-11 : Human Eye and colourful world

### **Term-2**

Ch-3 : Metal and Non metal  
Ch-4 : Carbon and its Compounds  
Ch-8 : How do Organism reproduce  
Ch-9 : Heredity and evolution  
Ch-12 : Electricity  
Ch-13 : Magnetic Effects of electric Current  
Ch-15 : Our Environment

### **Lab Work : PRACTICALS**

Practical should be conducted alongside the concepts taught in theory classes LIST OF EXPERIMENTS

1. A. Finding the pH of the following samples by using pH paper/universal indicator: Unit-I  
(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: Unit-I  
a) Litmus solution (Blue/Red) b) Zinc metal  
c) Solid sodium carbonate
2. Performing and observing the following reactions and

classifying them into: Unit-I

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

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I

i)  $\text{ZnSO}_4(\text{aq})$                       ii)  $\text{FeSO}_4(\text{aq})$

iii)  $\text{CuSO}_4(\text{aq})$                       iv)  $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. Unit-IV
5. Determination of the equivalent resistance of two resistors when connected in series and parallel. Unit-IV
6. Preparing a temporary mount of a leaf peel to show stomata. Unit-II
7. Experimentally show that carbon dioxide is given out during respiration. Unit-II
8. Study of the following properties of acetic acid (ethanoic acid): Unit-I
- i) Odour                                      ii) solubility in water
- iii) effect on litmus
- iv) reaction with Sodium Hydrogen Carbonate
9. Study of the comparative cleaning capacity of a sample of soap in soft and hard water. Unit-I
10. Determination of the focal length of: Unit-III
- i) Concave mirror
- ii) Convex lens by obtaining the image of a distant object.
11. 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

12. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. Unit-II
13. Tracing the path of the rays of light through a glass prism. Unit-III
14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

## **SUBJECT : SOCIAL SCIENCE**

### **HISTORY**

1. The Rise of Nationalism in Europe  
**(For SA1 Examination)**
2. Nationalism in India **( For SA1 Examination)**
3. The Making of a Global World
4. The Age of Industrialization
5. Print Culture and the Modern World

### **GEOGRAPHY**

1. Resources and Development **( For SA1 Examination)**
2. Forest and Wildlife **( For SA1 Examination)**
3. Water Resources **( For SA1 Examination)**
4. Agriculture **( For SA1 Examination)**
5. Minerals and Energy Resources
6. Manufacturing Industries
7. Life Lines of National Economy

### **POLITICAL SCIENCE**

1. Power Sharing **( For SA1 Examination)**
2. Federalism **( For SA1 Examination)**
4. Gender, Religion and Caste **(For SA1 Examination)**
6. Political Parties
7. Outcomes of Democracy

### **ECONOMICS**

1. Development **( For SA1 Examination)**
2. Sectors of the Indian Economy **( For SA1 Examination)**
3. Money and Credit
4. Globalization and the Indian Economy

Maps : According to SA1 Chapters