

## Class X Half Yearly Examination Syllabus 2022-23

### **Hindi-**

- \* अपठित गद्यांश, पद्यांश
- \* व्याकरण- वाक्य, वाच्य,  
पद-परिचय, अलंकार
- \* रचना/लेखन- पत्र, अनुच्छेद,  
विज्ञापन/संदेश, ईमेल/स्ववृत्त
- \*साहित्य-  
गद्य- नेताजी का चश्मा,  
बालगोबिन भगत, लखनवी  
अंदाज़  
पद्य- सूरदास,तुलसीदास,  
निराला  
कृतिका- माता का अंचल

### **English-**

Half yearly syllabus English

Section A

Two unseen passages ( one factual one case based)

Section B

Letter to Editor

Letter of complaint

Letter of Enquiry

Analytical Paragraph

Jumbled Sentences

Gap Filling

Editing

Section C

A Triumph of Surgery

A Midnight Visitor

A Question of trust

Footprints without feet

A thief' s story

A letter to God

Nelson Mandela: long walk to freedom

Two stories about flying  
Dust of snow  
Fire and ice  
A tiger in the zoo  
How to tell wild animals The ball poem

### **Mathematics**

Real Number  
Polynomials  
Linear Equations  
Quadratic Equation  
Arithmetic Progression  
Coordinate Geometry  
Statistics  
Probability

### **Science-**

#### **Physics**

##### **\*Light (Reflection and refraction of light)\***

Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification.

Refraction; Laws of refraction, refractive index.

Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens.

##### **\*Human eye and the colourful world\***

Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses.

Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset).

#### **Chemistry**

##### **\*Chemical reactions\* :**

Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double

displacement, precipitation, endothermic exothermic reactions, oxidation and reduction.

### **\*Acids, bases and salts:\***

Their definitions in terms of furnishing of  $H^+$  and  $OH^-$  ions, General properties, examples and uses, neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

### **Biology**

#### **\*Life processes\* :**

'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plants and animals.

#### **\*Control and co-ordination\***

Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.

### **Social Science-**

#### **Geography :**

1. Resource and Development
2. Forest and wildlife
3. Water Resource
4. Agriculture

#### **Economics**

1. Development
2. Sectors of economy

Half Yearly Syllabus

Class X 2022-23

#### **History:**

Ch1- Nationalism in Europe

Ch2-Nationalism in India

Democratic Politics: Ch1-Power sharing

Ch2-Federalism

Ch3-Gender, Religion and Caste

### **Computer-**

#### **HTML**

- Creating a webpage
- HTML Tags

- List and its type
- Table
- Inserting Images
- Linking and types of linking
- HTML form and form controls
  - Text box
  - Password
  - Radio buttons
  - Checkbox
  - Text area