

**SYLLABUS CLASS : 10**  
**SESSION 2021 – 22**

**CONTENTS**

S. No.	Subject
1.	English
2.	Hindi
3.	French
4.	Sanskrit
5.	Mathematics
6.	Science
7.	Social Science
8.	Computer Applications
9.	Painting
10.	Art Education

**ENGLISH**

- Text Books:**
1. First Flight - Textbook
  2. Footprints Without Feet - Supplementary Reader
  3. Words and Expressions-II, Workbook

**First Term**

**Literature Reader (First Flight)**

**Prose**

1. A Letter to God
2. Nelson Mandela: Long Walk to Freedom
3. Two Stories about Flying
4. From the Diary of Anne Frank

**Poetry**

1. Dust of Snow
2. Fire and Ice
3. A Tiger in the Zoo
4. The Ball Poem

**Supplementary Reader (Footprints Without Feet)**

1. A Triumph of Surgery
2. The Thief's Story
3. The Midnight Visitor
4. A Question of Trust

**Workbook (Words and Expressions-II)**

Unit 1-4

## **Writing Skills**

1. Formal Letter- Complaint, Inquiry and Placing Order
2. Analytical Paragraph Writing

## **Grammar**

1. Tenses
2. Modals
3. Use of passive voice
4. Subject-verb concord

## **Second Term**

### **Literature Reader (First Flight)**

#### **Prose**

1. The Hundred Dresses (Part I)
2. The Hundred Dresses (Part II)
3. Glimpses of India
4. Mijbil the Otter

#### **Poetry**

1. How to Tell Wild Animals
2. Animals
3. Amanda
4. The Trees
5. Fog

### **Supplementary Reader (Footprints Without Feet)**

1. Footprints Without Feet
2. The Making of a Scientist
3. The Necklace
4. The Hack Driver

### **Workbook (Words and Expressions-II)**

Unit 5-8

#### **Writing Skills**

1. Formal Letter- Editor, Principal
2. Analytical Paragraph Writing

#### **Grammar**

1. Reported speech
  - a) Commands and requests
  - b) Statements
  - c) Questions
2. Clauses
  - a) Noun Clauses
  - b) Adverb Clauses
  - c) Relative Clauses
3. Determiners

## Third Term

### Literature Reader (First Flight)

#### Prose

1. Madam Rides the Bus
2. The Sermon at Benares
3. The Proposal

#### Poetry

1. The Tale of Custard the Dragon
2. For Anne Gregory

### Supplementary Reader (Footprints Without Feet)

1. Bholi
2. The Book that Saved the Earth

### Workbook (Words and Expressions-II)

Unit 9-11

#### Grammar

1. Prepositions

Course Structure		
Section		Total Weightage
A	Reading Skills	20
B	Writing Skills with Grammar	20
C	Literature Textbook and Supplementary Reading Text	40
	<b>TOTAL</b>	<b>80</b>

## FRENCH

**Text Prescribed:** Entre Jeunes -2

Textbook: Lessons 1-5

### First Term

Leçon-1: Retrouvons nos amis

Leçon -2:Après le bac

Leçon -3: Chercher du travail

Leçon -4: Le plaisir de lire

Leçon -5: Les médias

#### Section-A Reading Section

One unseen prose passage (factual/descriptive) (150-200 words)

#### Section-B Writing Section

One long composition ( Informal Letter ) based on the themes given in lessons ( 1,2,3,4) (80 words)

Any two short compositions ( message / re-arranging a dialogue / completing a text with the help of clues provided )

### **Section -C Grammar**

Based on the prescribed textbook ( Lessons 1 to 5 )

Verbs ( all tenses done in class 9 , future antérieur, plus-que-parfait)

Pronom relatif composé

Adjectifs Démonstratif

Pronoms personnels (Pronom sujet, COD, COI)

Trouvez la question

Négatif

Prépositions

Articles

### **Section - D Literature Section**

Questions based on textbook -Lessons 1 to 5.

## **Second Term**

Textbook: Lessons 1-9,12

Leçon-1: Retrouvons nos amis

Leçon -2:Après le bac

Leçon -3: Chercher du travail

Leçon -4: Le plaisir de lire

Leçon -5: Les médias

Leçon -6: Chacun ses goûts

Leçon -7: En pleine forme

Leçon -8: L'environnement

Leçon -9: Métro, boulot , dodo

Leçon -12: Vers un monde interculturel

### **Section-A Reading Section**

One unseen prose passage (factual/descriptive) (150-200 words)

### **Section-B Writing Section**

One long composition ( Informal Letter ) based on the themes given in lessons ( 1,2,3,4,7,8&12) (80 words)

Any two short compositions ( message / re-arranging a dialogue / completing a text with the help of clues provided )

### **Section -C Grammar**

Based on the prescribed textbook ( Lessons 1 to 9 &12)

Verbs ( all tenses done in class 9 , future antérieur, plus-que-parfait, conditionnel présent , conditionnel passé)

Pronom relatif composé

Démonstratif ( adjectifs et pronoms )

Pronoms personnels

Trouvez la question

Négatif

Possessifs ( adjectifs et pronoms )

Prépositions

Articles

Subjonctif

## **Section - D Literature Section**

Questions based on textbook -Lessons 1 to 9 &12.

### **Third Term**

Textbook: Lessons 1-12

Leçon-1: Retrouvons nos amis

Leçon -2:Après le bac

Leçon -3: Chercher du travail

Leçon -4: Le plaisir de lire

Leçon -5: Les médias

Leçon -6: Chacun ses goûts

Leçon -7: En pleine forme

Leçon -8: L'environnement

Leçon -9: Métro, boulot, dodo

Leçon -10: Vive la République

Leçon -11: C'est bon le progrès

Leçon -12: Vers un monde interculturel

## **Section-A Reading Section**

One unseen prose passage (factual/descriptive) (150-200 words)

## **Section-B Writing Section**

One long composition ( informal letter ) based on the themes given in lessons ( 1,2,3,4,7,8,10,12) (80 words)

Any two short compositions ( message / re-arranging a dialogue / completing a text with the help of clues provided )

## **Section -C Grammar**

Based on the prescribed textbook ( Lessons 1 to 12 )

Verbs ( all tenses done in class 9 , future antérieur, plus-que-parfait, conditionnel présent, conditionnel passé)

Pronom relatif composé

Démonstratif ( adjectifs et pronoms )

Pronoms personnels

Trouvez la question

Négatif

Possessifs ( adjectifs et pronoms )

Prépositions

Discours direct et indirect

Subjonctif

## **Section - D Literature Section**

Questions based on textbook -Lessons 1 to 12

<b>Course Structure</b>		
Section		Marks
A	Reading Comprehension	10
B	Writing Section	20
C	Grammar	30
D	Culture and Civilization	20
	<b>TOTAL</b>	<b>80</b>

## **MATHEMATICS**

**Text Book:** Mathematics Text Book for Class X (NCERT)

**Reference Book:** Mathematics Book for Class X by R. D. Sharma

### **First Term**

Unit-II: Algebra

Chapter-2: Polynomials

Chapter-3: Pair of Linear Equations in Two Variables

Unit-IV: Geometry

Chapter-6: Triangles (Till Ex 6.4)

Unit-VI: Mensuration

Chapter-13: Surface Areas and Volumes

Unit-VII: Statistics and Probability

Chapter-15: Probability

### **Second Term**

Unit-II: Algebra (contd.)

Chapter-4: Quadratic Equations

Unit-III: Coordinate Geometry

Chapter-7: Coordinate Geometry

Unit-IV: Geometry (contd.)

Chapter-6: Triangles (contd.)

Chapter-10: Circles

Chapter-11: Constructions

Unit-V: Trigonometry

Chapter-8: Introduction to Trigonometry

Unit-VII: Statistics and Probability (contd.)

Chapter-14: Statistics

### **Third Term**

Unit-I: Number Systems

Chapter-1: Real Numbers

Unit-II: Algebra (contd...)

Chapter-5: Arithmetic Progressions

Unit-V: Trigonometry (contd...)

Chapter-9: Some Applications of Trigonometry

Unit-VI: Mensuration (contd...)

Chapter-12: Areas Related to Circles

<b>Course Structure</b>		
<b>Units</b>	<b>Unit Name</b>	<b>Marks</b>
I	Number Systems	06
II	Algebra	20
III	Coordinate Geometry	06
IV	Geometry	15
V	Trigonometry	12
VI	Mensuration	10
VII	Statistics & Probability	11
	<b>TOTAL</b>	<b>80</b>

## **SCIENCE**

- Text Book:** 1. Science Textbook for Class-X(NCERT)  
 2. Laboratory Manual : Arya Publications  
 3. Science Exemplar Problems- Class – X (NCERT)

### **First Term**

#### PHYSICS

- Chapter-12 Electricity  
 Chapter-13 Magnetic Effects of Electric Current

#### Practicals

- Studying the dependence of potential difference(V) across a resistor on the current(I) passing through it and determine its resistance. Also plot a graph between V and I.
- Determination of the equivalent resistance of two resistors when connected in series and parallel.

#### CHEMISTRY

- Chapter-1: Chemical Reactions and Equations  
 Chapter-2: Acids, Bases and Salts

#### Practicals

- Find the pH of various samples by using pH paper.
- Studying the properties of acids and bases (HCl and NaOH)
- Performing and observing the reactions and classifying them.

#### BIOLOGY

- Chapter-6: Life Processes  
 Chapter-7: Control and Coordination (Till page no. 122)

#### Practicals

- To prepare a temporary mount of leaf epidermis to observe stomata.
- To show that CO<sub>2</sub> is released during respiration.

## Second Term

### PHYSICS

Chapter-10: Light-Reflection and Refraction.

Chapter-11: Human Eye and Colourful World (from page no- 187 to 190)

#### Practicals

1. Determine the focal length of :

(a) Concave Mirror (b) Convex Lens

By obtaining the image of a distant object.

2. 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.

3. Tracing the path of light rays through a glass prism.

### CHEMISTRY

Chapter-3:Metals and Non Metals

Chapter-4:Carbon and its Compounds

#### Practicals

1. Study the properties of acetic acid.

2. Study the comparative cleansing capacity of a sample of soap in soft and hard water.

3. Observing the actions of Zn,Fe,Cu and Al metals on the salt solutions.

### BIOLOGY

Chapter-7: Control and Coordination (Hormones in Animals)

Chapter-8: How do organisms reproduce?

Chapter-9: Heredity and Evolution

#### Practicals

1.To study Binary Fission in Amoeba, Budding in Yeast and Budding in Hydra.

2.Identification of different parts of an embryo of a dicot seed.

## Third Term

### PHYSICS

Chapter-11: Human Eye and Colourful World (from page no-191 to 198)

Chapter-14 Sources of Energy

### CHEMISTRY

Chapter-5:Periodic classification of Elements

### BIOLOGY

Chapter-15 Our Environment

Chapter-16: Sustainable Management of natural resources.

#### Practicals

1.Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagram to show the nature of image formed.



<b>Course Structure</b>		
<b>Units</b>	<b>Unit Name</b>	<b>Marks</b>
I	Chemical Substances- Nature and Behaviour	25
II	World of Living	23
III	Natural Phenomena	12
IV	Effects of Current	13
V	Natural Resources	07
	<b>Total</b>	<b>80</b>

## **SOCIAL SCIENCE**

### **Text Books:**

1. History: India and the Contemporary World-II
2. Geography: Contemporary India-II
3. Political Science: Democratic Politics-II
4. Economics: Understanding Economic Development

### **First Term**

#### **History**

##### **Section I Events And Processes**

Chapter 2-Nationalism In India

##### **Section II Livelihoods, Economies And Societies**

Chapter 4-The Age of Industrialisation

#### **Geography**

Chapter 1-Resources And Development

Chapter 5-Minerals And Energy Resources

Chapter 2 Forest And Wildlife **(PT)**

#### **Political Science**

Chapter 1- Power Sharing

Chapter 2-Federalism

Chapter 3 Democracy And Diversity **(PT)**

#### **Economics**

Chapter 1-Development

Chapter 2 Sectors Of Indian Economy

### **Second Term**

#### **History**

##### **Section I Events And Processes**

Chapter 1- The Rise of Nationalism In Europe

#### **Geography**

Chapter 3-Water Resources **(PT)**

Chapter 4- Agriculture

Chapter 6- Manufacturing Industries

## **Political Science**

Chapter 4- Gender,Religion And Caste

Chapter 5- Popular struggles And Movements (PT)

Chapter 6- Political Parties

Chapter 8- Challenges To Democracy (PT)

## **Economics**

Chapter 3-Money And Credit

## **Third Term**

### **History**

#### **Section III Everyday Life, Culture And Politics**

Chapter 5-. Print Culture And The Modern World

### **Geography**

Chapter 7- Lifelines of National Economy

### **Political Science**

Chapter 7- . Outcomes Of Democracy

### **Economics**

Chapter 4 –Globalisation And The Indian Economy

### **Project - Economics: Chapter 5 –Consumer Rights**

Units	Unit Name	Marks
I	India and the contemporary World-II	20
II	Contemporary India-II	20
III	Democratic Politics-II	20
IV	Understanding Economic Development	20
	<b>TOTAL</b>	<b>80</b>

## **COMPUTER APPLICATIONS**

**Text Book:** Super Simplified Computer Applications-Class X

By Dr. Vipin Arora

### **First Term**

#### **Unit 1: Networking**

- Internet: World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site. Internet protocols: TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP.
- Services available on the internet: information retrieval, locating sites using search

- engines and finding people on the net;
- Web services: chat, email, video conferencing, e-Learning, e-Banking, eShopping, e-Reservation, e-Governance, e-Groups, social networking.
- Mobile technologies: SMS, MMS, 3G, 4G.

## 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).
- Insert images: img (attributes: src, width, height, alt), sup (super script), sub (subscript).

## Second Term

### Unit-2 HTML(Continued)

- 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.
- Cascading style sheets: colour, background-colour, border-style, margin, height, width, outline, font (family, style, size), align, float.

### 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.

## Third Term

### Unit 4: Python

- Revision of Python basics
- Conditionals: if, if-else statements
- Loops: for, while (e.g., sum of first 10 natural numbers)
- Practice simple programs

<b>Unit No.</b>	<b>Unit Name</b>	<b>Marks</b>
1.	Networking	10
2.	HTML	20
3.	Cyber ethics	10
4.	Scratch/Python Theory	10
5.	Practical	50
	Total	100

## **PAINTING**

### **Text Book :**

Panoramic Indian Painting (Vishal Publishing Co.)

### **FIRST TERM**

**UNIT- I : Fundamentals of Visual Arts**  
(The Elements and Principles)

**10 Marks**

### **SECOND TERM**

**UNIT-II : Methods and Materials of Painting**

**10 Marks**

Understanding and appropriate use of:

- (i) Tools,
- (ii) Painting Materials - Poster Colours, Water Colours, Oil Pastels and Pencils

### **THIRD TERM**

**UNIT-III: Story of Indian Art**

**10 Marks**

- (i) Appreciation of Indian Art covering selected paintings, sculptures and architectural glimpses:
  - a) Paintings
  - b) Sculptures
  - c) Architecture
- (iii) **Indian Folk Art** – Paintings Madhubani and Warli

<b>UNIT - I</b>	<b>Fundamentals of Visual Arts (The Elements and Principles of Art )</b>	<b>10 Marks</b>
<b>UNIT - II</b>	<b>Methods and Materials of Painting :</b> Understanding and appropriate use of :- (i) Tools (ii) Painting Materials – Poster Colours, Water Colours, Oil Pastels and Pencil	<b>10 Marks</b>
<b>UNIT – III</b>	<b>Story of Indian Art :</b> (i) Appreciation of Indian Art Covering :- Selected Paintings, sculptures and architectural glimpses (ii) Indian Folk Art – Paintings – Madhubani and Warli	<b>10 Marks</b>
	<b>Total</b>	<b>30 Marks</b>

**Practical : 50 Marks**

## **ART EDUCATION**

**TEXT BOOK :-** Art , Craft and Me – 8 ( Blue Print Education )

### **First Term**

**Art , Craft and Me - 8**  
Pages 5 to 30

### **Second Term**

**Art , Craft and Me – 8**  
Pages 31 to 55

### **Third Term**

**Art , Craft and Me – 8**  
Pages 56 to 79