

## Class X SA2 Syllabus 2015-16

### English

- **Unseen Comprehension passages**
- **Writing Skills** – Story writing, Article and Letter to Editor
- **Grammar-** Integrated Grammar
  - ❖ Editing
  - ❖ Omission
  - ❖ Gap filling
  - ❖ Sentence reordering(based on- Conjunctions, Articles, Tenses, Reported Speech, Determiners, Prepositions, Passive voice, Modals)
- **Literature-**
  - ❖ Lessons- A Shady Plot, Patol babu, Virtually true
  - ❖ Poems- Ozymandias, The Rime of Ancient Mariner, Snake
  - ❖ Drama- Julius Caesar
- **Main Course book-**
  - ❖ Environment
  - ❖ Travel and Tourism
  - ❖ National Integration
- **Long Reading Text-** Diary of a Young girl by Anne Frank ( March 16, 1944 to August 01, 1944)

### **Hindi**

**अपठित बोध** - अपठित गद्यांश और पद्यांश ।

**व्याकरण** - शब्द व पद में अंतर, रचना के आधार पर वाक्य रूपांतरण, समास, अशुद्धि-शोधन, मुहावरे ।

**स्पर्श** - गिरगिट , अब कहाँ दूसरों के दुःख से दुखी होने वाले, पतझड़ में टूटी पत्तियाँ, कारतूस, बिहारी के दोहे,

मनुष्यता, मधुर-मधुर मेरे दीपक जल, कर चले हम फिदा, आत्मत्राण।

**संचयन** - सपनों के से दिन, टोपी शुक्ला ।

**रचनात्मक लेखन** - अनुच्छेद-लेखन, औपचारिक पत्र-लेखन, सूचना-लेखन, संवाद-लेखन, विज्ञापन-लेखन।

### **French**

Lecon 7-En Pleine forme

Lecon 8- L'Environnement

Lecon 9 - Metro ,boulot,dodo

Lecon 10- Vive la Republique

Lecon 11- C'est bon le progres

Lecon12- Vers un monde interculturel.

Section A- Reading Comprehension (one text)

Section B-Writing skills- Letter/Dialogue order/Message writing/Completez le texte avec les mots donnees.

Section C- Applied Grammer

Tenses

Pronoms Personnels

Discours Direct/indirect

Les pronoms relatifs composés/simples

Trouvez les phrases

Adjectifs Possessifs and Pronoms Possessifs

Section D Literature based on lessons 7 to 12 with Value based Questions

## Sanskrit

पठित अवबोधन :- षष्ठ पाठः - साधुवृत्तिं समाचरेत्

सप्तमः पाठः - रमणीया हि सृष्टिरेषा

अष्टमः पाठः - तिरुक्कुरल्-सूक्ति-सौरभम्

नवमः पाठः - राष्ट्रं संरक्ष्यमेव हि

दशमः पाठः - सुस्वागतं भो! अरुणाचलेऽस्मिन्

एकादशः पाठः - कालोऽहम्

अनुप्रयुक्त व्याकरणः- संधि (स्वर, व्यंजन, विसर्ग), समास(द्वन्द्व, बहुव्रीहि, अव्ययीभाव),

प्रत्यय (कृदन्त, तद्धित, स्त्रीप्रत्यय), अव्यय, संख्या, संशोधनकार्यम्

रचनाः- अनौपचारिक पत्र, चित्रवर्णन अथवा अनुच्छेद लेखन

अपठित अवबोधः- गद्यांश, पद्यांश

## German

Module 10:- Gesellschaft, Umwelt, Medien

Lek 1- Was tust du für die Umwelt?

Lek 2- Tina engagiert sich für...

Lek 3- Wie entsteht eine Schülerzeitung?

Section A - Reading Comprehension (2 texts)

Section B - Writing Skills

- Message / letter/ Poster/ E-Mail writing
- Summary writing

Section C - Applied Grammar

- Adjective endings
- Partizip Perfekt
- Passiv
- Fixed Prepositions with verbs
- Subordinate Clauses

Section D - Value based Questions

## Spanish

### TOPICS:

THE SIMPLE PAST TENSE -El preterito indefinido

The imperfect tense

The simple future

The conditional

The subjunctive

The present tense

Querer+infinitive, poder+infinitive, tener+que+infinitive, deber+infinitive, gustar

Comprehension passage

The prepositions, conjunctions

The adjectives used with ser and estar and prepositions used with estar

The imperative commands formal and informal

conjugations

Haber con participio, estar con gerundio, ir+a+infinitive

Section A- Reading Comprehension (two texts)

Section -b - Writing skills( letter writing, Paragraph, email writing)

Section - c - grammar (fill in the blanks, translations, multiple choice questions)

Section - d - Literature (Biography of famous authors of Spain and their works)

## Science

### PHYSICS

Natural Phenomena

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; 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.

PRACTICALS – for MCQ

- To determine the focal length of: i) Concave mirror ii) Convex lens by obtaining the image of a distant object.
- To trace 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.
- To trace the path of the rays of light through a glass prism.
- To find the image distance for varying object distances in case of a convex lens and draw corresponding ray diagrams to show the nature of image formed.

### CHEMISTRY

Chapter 4: Carbon and its compounds

Nomenclature of carbon compounds, bonding in carbon- the covalent bond, versatile nature of carbon, saturated and unsaturated carbon compounds. Chains, branches and rings, homologous series, properties of alcohols and carboxylic acids, soap-cleansing action of soap.

Chapter 5: Periodic classification of elements

Early attempts at the classification of elements: Dobereiner's triads, Newland's law of octaves, Mandeleev's periodic table, achievements of Mandeleev's periodic table, limitation of Mandeleev's classification, Modern periodic table, position of elements in the modern periodic table, trends in the modern periodic table: valency, atomic size, metallic and non-metallic properties.

### MCQ questions on practical skills

1. To study the following properties of acetic acid:

- (i) Colour
- (ii) Solubility in water
- (iii) Effect on litmus
- (iv) Reaction with sodium carbonate

2. Preparation of soap using Castor oil and NaOH. Testing its behavior with hard and soft water and other properties.

## **Biology**

Chapter 8: How do organisms reproduce?

Chapter 9 : Heredity and Evolution

Chapter 15 : Our Environment

Chapter 16: Management of Natural Resources

### MCQ questions on practical skills

- 1. To study (a) Binary Fission in *Amoeba* and (b) budding in yeast with the help of prepared slides.
- 2. To study homology and analogy with the help of charts of animals and charts/ specimen of plants
- 3. To identify the different parts of an embryo of a dicot seed ( pea, gram or red kidney bean)

## **Mathematics**

- 1. Quadratic Equations
- 2. Arithmetic Progressions
- 3. Circles
- 4. Constructions
- 5. Heights and Distances
- 6. Probability
- 7. Coordinate Geometry
- 8. Areas Related to a Circle
- 9. Surface Areas and Volumes

## **Social Science**

### **HISTORY**

- 1. The Rise of Nationalism in Europe
- 2. Nationalism in India (Map Work)

### **POLITICAL SCIENCE**

- 1. Popular Movements and Groups
- 2. Political Parties
- 3. Outcomes of Democracy
- 4. Challenges to Democracy

### **GEOGRAPHY**

- 1. MINERALS AND ENERGY RESOURCES
- 2. MANUFACTURING INDUSTRIES
- 3. LIFE LINES OF NATIONAL ECONOMY

### **ECONOMICS**

- 1. Money and Credit
- 2. Globalisation and the Indian Economy
- 3. Consumer Rights

