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- Julis 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 - ग्रंथिम, अब कहाँ दूसरों के दुःख से दुखी हो जाएँ, पतझड़ में दूंगी पत्तियाँ, कारतूस, बिहारी के दोंसे, मनुष्यता, मधुर मधुर मेरे दीपक जल, कर चले हम फिरो से, आत्मसृजन।

संचयन - सपनों के से दिन, टोपी शुकला ।

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 données.
Section C- Applied Grammer
Tenses
Pronoms Personnels
Sanskrit

परिष्क अवबोधन - फ़र्त पह्ले - साहुलित समावेरेत
सलम: पाठ: - रमणीया हि सूक्तिरेथा
आदम: पाठ: - तिलक्कुलू-सूक्तिसौरभम्
नवम: पाठ: - राधा संरक्षणदेव हि
दराम: पाठ: - सुन्वाणते भो! असुवाले उसम्
एकादश: पाठ: - कत्सो-उस्म

अनुपयुक्त व्यक्तिक: श्रव, व्रजन, विसम, समास(इत्र, भुत्ती, अविाभाज),
प्रत्यय (कृद्न, तबित, स्त्रोपूर्व), अवयव, संख्य, संशोधनकारिकम्

रचना: - अनौपचारिक पत्र, चिन्हरक्षण अथवा अनुष्ठांत लेखन
अविभाजन: - गद्यांश, पदर्पांश

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
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 trids, 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 Professions
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