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ShreeRam World School

SYLLABUS OF STUDIES

2019-2020

X

X
CONTENTS
INTRODUCTION

S.No.	Subject	Page No.
1.	English	1
2.	Hindi	3
3.	Sanskrit	5
4.	French	7
5.	Maths	10
6.	Science	11
7.	Social Science	14
8.	Art Education	15

CLASS-X

*Learning is a treasure
that follows its owner everywhere.*

Learning is a continuous building of skills and knowledge throughout the life of an individual. It helps to discover the unfathomed oceans of knowledge and nurture the latent and creative potential in the learner. Education must therefore promote and nourish as wide a range of capacities and skills in our children as possible. Education, as a planned endeavour, aims at making children capable of becoming active, responsible, productive and caring members of society.

The major emphasis of the syllabus is on the continuous growth of students ensuring their intellectual, emotional, physical, cultural and social development. The curriculum is framed in order to ensure multifaceted personality development of the child. It takes care of scholastic as well as co-scholastic aspects of the pupil's growth.

Project work, activities, practicals and continuous assessment are an essential part of the curriculum. Regular attendance, good and sound understanding of the subject is thus required for performing well. Notes, home assignments and worksheets based on the syllabi are given regularly to the students. Please encourage and motivate your ward to put in the best and regular efforts in academics and other activities.

We look forward to your cooperation

Thanking you,

Principal

Class X
ENGLISH
FIRST TERM

First Flight (Literature Reader)

1. A Letter to God (Prose)
2. Nelson Mandela : Long Walk to Freedom (Prose)
3. Two Stories About Flying (Prose)
4. Dust of Snow (Poem)
5. Fire and Ice (Poem)
6. A Tiger in the Zoo (Poem)

Footprints Without Feet (Supplementary Reader)

1. A Triumph of Surgery
2. The Thief's Story

Writing Skills

1. Article Writing
2. Story Writing
3. Formal Letter - Complaint, Inquiry, Placing Order, Letter to Editor

Grammar

1. Tenses
2. Modals
3. Use of Passive Voice
4. Subject - Verb Concord

SECOND TERM

First Flight (Literature Reader)

1. From the Diary of Anne Frank (Prose)
2. The Hundred Dresses-I (Prose)
3. The Hundred Dresses-II (Prose)
4. Glimpses of India (Prose)
5. Mijbil the Otter (Prose)
6. Madam Rides the Bus (Prose)
7. How to Tell Wild Animals (Poem)
8. The Ball Poem (Poem)

(1)

9. Amanda (Poem)
10. Animals (Poem)
11. The Trees (Poem)
12. Fog (Poem)

Footprints Without Feet (Supplementary Reader)

1. The Midnight Visitor
2. A Question of Trust
3. Footprints Without Feet
4. The Making of a Scientist
5. The Necklace
6. The Hack Driver

Writing Skills

1. Article Writing
2. Story Writing
3. Formal Letter - Complaint, Inquiry, Placing Order, Letter to Editor

Grammar

1. Reporting (i) Commands and requests
(ii) Statements
(iii) Questions
2. Clauses (i) Noun Clause
(ii) Adverb Clause
(iii) Relative Clause
3. Determiners

THIRD TERM

First Flight (Literature Reader)

1. The Sermon at Benares (Prose)
2. The Proposal (Prose)
3. The Tale of Custard the Dragon (Poem)
4. For Anne Gregory (Poem)

Footprints Without Feet (Supplementary Reader)

1. Bholi
2. The Book that Saved the Earth

(2)

Writing Skills

1. Article Writing
2. Story Writing
3. Formal Letter - Complaint, Inquiry, Placing Order, Letter to Editor

Grammar

1. Prepositions

Course Structure		
Section		Total Weightage
A	Reading Skills	20
B	Writing Skills and Grammar	30
C	Literature	30
TOTAL		80

हिन्दी - 'बी'

- पाठ्य पुस्तकें :
1. स्पर्श भाग-2 (NCERT)
 2. संचयन भाग-2 (NCERT)
 3. व्याकरण सोपान (हिंदी 'बी' दसवीं) - आर्य पब्लिशिंग कंपनी
- प्रथम सत्र

स्पर्श भाग-2

- गद्य भाग - 1. डायरी का एक पन्ना
2. ततौरा वामीरो कथा

- पद्य भाग - 1. मीरा के पद
2. पर्वत प्रदेश में पावस
3. तोप

संचयन भाग-2

- व्याकरण - 1. शब्द और पद 2. रचना के आधार पर वाक्य रूपांतरण
3. समास 4. अशुद्धि-शोधन
5. मुहावरे

(3)

- रचना-कौशल - 1. पत्र-लेखन (औपचारिक) 2. अनुच्छेद-लेखन
3. सूचना-लेखन 4. संवाद-लेखन
5. विज्ञापन-लेखन 6. अपठित-गद्यांश
7. अपठित-काव्यांश

द्वितीय सत्र

स्पर्श भाग-2

- गद्य भाग - 1. बड़े भाई साहब
2. अब कहाँ दूसरे के दुख से दुखी होने वाले
3. पतझर में टूटी पत्तियाँ (क) गिन्नी का सोना
(ख) ड्रेन की देन

- पद्य भाग - 1. कबीर - साखी
2. बिहारी - दोहे
3. मनुष्यता
4. कर चले हम फिदा

संचयन भाग-2

1. टोपी शुक्ला

व्याकरण - प्रथम सत्र की संपूर्ण व्याकरण की पुनरावृत्ति होगी

रचना-कौशल - प्रथम सत्र के संपूर्ण रचना कौशल की पुनरावृत्ति होगी

तृतीय सत्र

स्पर्श भाग-2

- गद्य भाग - 1. कारतूस

- पद्य भाग - 1. आत्मत्राण

संचयन भाग-2

1. सपनों के से दिन

व्याकरण - संपूर्ण प्रथम सत्र की व्याकरण

रचना-कौशल - संपूर्ण प्रथम सत्र का रचना कौशल

केवल पठन हेतु - स्पर्श भाग-2

1. तीसरी कसम के शिल्पकार : शैलेंद्र
2. गिरगिट
3. मधुर-मधुर मेरे दीपक जल!

(4)

परीक्षा हेतु भार विभाजन	
विषय-वस्तु	अंक
अपठित-बोध	15
व्याकरण	15
पाठ्य-पुस्तक एवं पूरक-पुस्तक	25
लेखन	25
कुल भार	80

संस्कृतं

पाठ्यपुस्तकं

1. शेषुषी - द्वितीयो भागः (पाठ्यपुस्तकम्) (NCERT)
2. अभ्यासवान् भव - भागः 2 (NCERT)
3. व्याकरणवीथिः - व्याकरण पुस्तकम् (NCERT)

प्रथम सत्रम्

1. शेषुषी (पाठ्यपुस्तकम्)

- प्रथमः पाठः - शुचिपर्यावरणम्
द्वितीयः पाठः - बुद्धिर्बलवती सदा
तृतीयः पाठः - व्यायामः सदा पथ्यः
चतुर्थः पाठः - शिशुलालनम्

2. व्याकरणम्

- (i) सन्धिकार्यम् - (1) व्यञ्जनसन्धिः - तुकागमः, मोऽनुस्वारः
(2) विसर्गसन्धिः - विसर्गस्य उल्लं, रत्वम्
- (ii) समासः - तत्पुरुषः - विभक्तिः, बहुव्रीहिः
- (iii) प्रत्ययाः - (1) तद्धिताः - मत्तुप्, त्व
(2) स्त्रीप्रत्ययः - टाप्
- (iv) वाच्यपरिवर्तनम् - केवलं लट्लकारे
- (v) समयः

(5)

- (vi) अव्ययपदानि - उच्चैः, च, श्वः, ह्यः, अद्य, अत्र-तत्र, यत्र-कुत्र, इदानीम्, अधुना, सम्प्रति, साम्प्रतम्, यदा, तदा, कदा, सहसा, वृथा, शनैः, अपि, कुतः, इतस्ततः, यदि-तर्हि
- (vii) अशुद्धि-संशोधनम् (वचन - लिङ्ग-पुरुष-लकार - विभक्तिदृष्ट्या संशोधनम्)

3. (i) अपठित-अवबोधनम् - एकः गद्यात्मकः खण्डः
(ii) सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकम् पत्रलेखनम्
(iii) चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम्
(iv) हिन्दीभाषायाम् लिखितानां पञ्चसरलवाक्यानां संस्कृतभाषायाम् अनुवादः
द्वितीय सत्रम्

1. शेषुषी (पाठ्यपुस्तकम्)

- पञ्चमः पाठः - जननी तुल्यवत्सला
षष्ठः पाठः - सुभाषितानि
सप्तमः पाठः - सौहार्द प्रकृतेः शोभा
अष्टमः पाठः - विचित्रः साक्षी
नवमः पाठः - सूक्तयः

2. व्याकरणम्

- (i) सन्धिकार्यम् - (1) व्यञ्जनसन्धिः - वर्गीयप्रथमाक्षराणां तृतीयवर्णं परिवर्तनम्, प्रथमवर्णस्य पञ्चमवर्णं परिवर्तनम्
(2) विसर्गसन्धिः - विसर्गलोपः, विसर्गस्य स्थाने सु, श्, ष्
- (ii) समासः - (1) अव्ययीभावः (अनु, उप, सह, निरु, प्रति, यथा)
(2) द्वन्द्वः
- (iii) प्रत्ययाः - (1) तद्धितः - ठक्, तल्
(2) स्त्रीप्रत्ययः - डीप्

3. (i) अपठित-अवबोधनम् - एकः गद्यात्मकः खण्डः
(ii) सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकम् पत्रलेखनम्
(iii) चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम्
(iv) हिन्दीभाषायाम् लिखितानां पञ्चसरलवाक्यानां संस्कृतभाषायाम् अनुवादः

(6)

तृतीय सत्रम्

1. शेषुषी (पाठ्यपुस्तकम्)

- दशमः पाठः - भूकम्पविभीषिका (न परीक्षाकृते)
एकादशः पाठः - प्राणेश्चोपि प्रियः सुहृद्
द्वादशः पाठः - अन्योक्तयः (न परीक्षाकृते)

परीक्षा हेतु भार-विभाजन		
'क' खण्डः	अपठित-अवबोधनम्	10 अङ्काः
'ख' खण्डः	रचनात्मक-कार्यम्	15 अङ्काः
'ग' खण्डः	अनुप्रयुक्त-व्याकरणम्	25 अङ्काः
'घ' खण्डः	पठित-अवबोधनम्	30 अङ्काः
कुल भार		80 अङ्काः

FRENCH

Text Prescribed : Entre Jeunes-2

FIRST TERM

Textbook : Lessons 1 - 5

- Lesson-1 : Retrouvons nos amis
Lesson-2 : Après le bac
Lesson-3 : Chercher du travail
Lesson-4 : Le plaisir de lire
Lesson-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), Any two short compositions (message/Re-arranging a dialogue/completing a text with clues provided)

Section-C : Grammar

Based on the prescribed textbook (Lesson 1 to 5)
Verbs (all tenses done in class 9, futur antérieur, plus-que-parfait),
Pronoms relatifs composé, Prépositions, Pronoms personnels,

(7)

Trouvez la question, Négatif, Articles, Retrouvez les phrases,
Corrigez, Adjectifs Demonstratifs

Section-D : Literature Section :

Questions based on textbook - Lesson 1 to 5

SECOND TERM

- Lesson-1 : Retrouvons nos amis
Lesson-2 : Après le bac
Lesson-3 : Chercher du travail
Lesson-4 : Le plaisir de lire
Lesson-5 : Les médias
Lesson-6 : Chacun ses goûts
Lesson-7 : En pleine forme
Lesson-8 : L'environnement
Lesson-9 : Métro, Boulot, Dodo
Lesson-12 : Vers un monde interculturel

Section-A : Reading Section :

One unseen prose passage

Section-B : Writing Section :

One long composition (informal letter) based on the themes given in lessons (1, 2, 3, 4, 7, 8, 12)
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 (Lesson 1 to 9, 12)
Verbs (all tenses done in class 9, futur antérieur, plus-que-parfait, conditionnel présent, conditionnel passé), Articles, Pronom relatif composé, Prépositions, Pronoms Personnels, Trouvez la question, Négatifs, Démonstratifs (adjectifs et pronoms), Possessifs (adjectifs et pronoms), Subjonctif

Section-D : Literature Section :

Questions based on textbook - Lesson 1 to 9 and 12

THIRD TERM

- Lesson-1 : Retrouvons nos amis
Lesson-2 : Après le bac
Lesson-3 : Chercher du travail

(8)

- Lesson-4 : Le plaisir de lire
- Lesson-5 : Les médias
- Lesson-6 : Chacun ses goûts
- Lesson-7 : En pleine forme
- Lesson-8 : L'environnement
- Lesson-9 : Métro, Boulot, Dodo
- Lesson-10 : Vive la République
- Lesson-11 : C'est bon le progrès
- Lesson-12 : Vers un monde interculturel

Section-A : Reading Section :

One unseen prose passage

Section-B : Writing Section :

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

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 (Lesson 1 to 12)

Verbs (all tenses done in class 9, futur antérieur, plus-que-parfait, conditionnel présent, conditionnel passé), Pronom relatif composé, Prépositions, Pronoms Personnels, Trouvez la question, Négatifs, Démonstratifs (adjectifs et pronoms), Possessifs (adjectifs et pronoms), Subjonctif, Discours direct et indirect

Section-D : Literature Section :

Questions based on textbook - Lesson 1 to 12

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

MATHS

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

Reference Book : Mathematics 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

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

SCIENCE

- Text Book :**
1. Science Textbook for Class-X (NCERT)
 2. Lab Manual : Simple Lab Skills - Srijan

FIRST TERM

PHYSICS

Chapter-12 : Electricity

Chapter-13 : Magnetic Effects of Electric Current

Practicals

1. Studing 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.
2. 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

1. Find the pH of various samples by using pH paper.

(11)

2. Studying the properties of acids & bases (HCl and NaOH) on the basis of their reaction.
3. Performing and observing the reactions and classifying them.

BIOLOGY

Chapter-6 : Life Processes

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

Practicals

1. To prepare a temporary mount of leaf epidermis to observe stomata.
2. To show that CO₂ is released during respiration.

SECOND TERM

PHYSICS

Chapter-10 : Light - Reflection and Refraction

Chapter-11 : Human Eye and Colourful World (Till page no. 190)
(Defects of Vision)

Practicals

1. Determine the focal length of :
(i) Concave Mirror (ii) 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.

(12)

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 197)

Chapter-14 : Sources of Energy

Practicals

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

CHEMISTRY

Chapter-5 : Periodic classification of Elements

BIOLOGY

Chapter-15 : Our Environment

Chapter-16 : Management of Natural Resources

Course Structure		
Units	Unit Name	Marks
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
TOTAL		80

SOCIAL SCIENCE

Text Books :

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

FIRST TERM

History

Chapter-3 : Nationalism in India

Chapter-4 : Age of Industrialization

Delete - Chapter-3 : The Making of a Global World

Geography

Chapter-1 : Resources and Development

Chapter-4 : Agriculture

Political Science

Chapter-1 : Power Sharing

Chapter-2 : Federalism

Economics

Chapter-1 : Development

Chapter-2 : Sectors of the Indian Economy

SECOND TERM

History

Chapter-1 : The Rise of Nationalism in Europe

Chapter-7 : Print Culture and the Modern World

Geography

Chapter-5 : Minerals and Energy Resources

Chapter-6 : Manufacturing Industries

Periodic Test - Chapter-2 : Forest & Wildlife Resources

Chapter-3 : Water Resources

Political Science

Chapter-4 : Gender, Religion and Caste

Chapter-7 : Outcomes of Democracy

Periodic Test - Chapter-3 : Democracy and Diversity
Chapter-5 : Popular Struggles and Movements
Chapter-8 : Challenges to Democracy

Economics

Chapter-3 : Money and Credit
Chapter-4 : Globalisation and the Indian Economy

THIRD TERM

Geography

Chapter-7 : Lifelines of Indian Economy

Political Science

Chapter-6 : Political Parties

Economics

Project - Chapter-5 : Consumer Rights

Course Structure		
Units	Unit Name	Marks
I	India and the Contemporary World-1	20
II	Contemporary India-II	20
III	Democratic Politics-II	20
IV	Understanding Economic Development	20
TOTAL		80

ART EDUCATION

Learning Objectives :

- Introduce the student to new media and technique and their use for creative expression and making objects of common use.
- Refine the sense of appreciation of the beauty of nature and the basic elements of art forms

FIRST TERM

Busy Bees Book-8

Pages 7 to 31

FIRST TERM

Busy Bees Book-7

Pages 32 to 53