

SYLLABUS OF CLASS – X (2019-20)

ENGLISH

TERM - I

PERIODIC TEST-1

FOOTPRINTS WITHOUT FEET :

CH 1: A TRIUMPH OF SURGERY

CH 2: THE THIEF'S STORY

FIRST FLIGHT:

CH 1: A LETTER TO GOD

POEM 1: DUST OF SNOW

POEM 2: FIRE AND ICE

WRITING: STORY WRITING

GRAMMAR: DETERMINERS, TENSES AND PREPOSITIONS

HALF YEARLY EXAMINATION

FOOTPRINTS WITHOUT FEET:

CH 1: A TRIUMPH OF SURGERY

CH 2: THE THIEF'S STORY

CH 3: THE MIDNIGHT VISITOR

CH 4: A QUESTION OF TRUST

CH 5: FOOTPRINTS WITHOUT FEET

FIRST FLIGHT:

POEM 1: DUST OF SNOW

POEM 2: FIRE AND ICE

POEM 3: A TIGER IN THE ZOO

POEM 4: HOW TO TELL WILD ANIMALS

POEM 5: THE BALL POEM

POEM 6: AMANDA

CH 1: A LETTER TO GOD

CH 2: NELSON MANDELA

CH 3: TWO STORIES ABOUT FLYING

CH 4: FROM THE DIARY OF ANNE FRANK

CH 5: THE HUNDRED DRESSES- I

CH 6: THE HUNDRED DRESSES- II

READING COMPREHENSION

GRAMMAR: TENSES, MODALS, USE OF ACTIVE & PASSIVE VOICE, SUBJECT-

VERB CONCORD, REPORTED SPEECH, CLAUSES, DETERMINERS AND

PREPOSITION, EDITING , GAP FILLING, JUMBLED SENTENCES, CONDITIONAL ,

NON-FINITE , INTEGRATED EXERCISE, CONNECTORS.

WRITING: LETTER (PLACING AND CANCELLING OF AN ORDER,

ENQUIRY,EDITOR)/ ARTICLE AND STORY WRITING

ASL: LISTENING AND SPEAKING ACTIVITY

TERM - II

PERIODIC TEST-2

CH 6: THE MAKING OF A SCIENTIST

CH 7: THE NECKLACE

FIRST FLIGHT:

POEM: ANIMALS

CH 7: GLIMPSES OF INDIA

1. A BAKER FROM GOA

2. COORG

3. TEA FROM AASSAM

GRAMMAR: TENSES, MODALS, USE OF ACTIVE & PASSIVE VOICE, SUBJECT-
VERB CONCORD, REPORTED SPEECH, CLAUSES, DETERMINERS AND
PREPOSITION, EDITING , GAP FILLING, JUMBLED SENTENCES, CONDITIONAL ,
NON-FINITE , INTEGRATED EXERCISE, CONNECTORS.

WRITING: LETTER (PLACING AND CANCELLING OF AN ORDER,
ENQUIRY,EDITOR)/ ARTICLE AND STORY WRITING

PRE BOARD EXAMINATION

FOOTPRINTS WITHOUT FEET

CH6:THE MAKING OF A SCIENTIST

CH7: THE NECKLACE

CH8: THE HACK DRIVER

CH9: BHOLI

CH10: THE BOOK THAT SAVED THE EARTH

FIRST FLIGHT

POEM 7: ANIMALS

POEM 8: THE TREES

POEM 9: FOG

POEM 10: THE TAIL OF CUSTARD THE DRAGON

POEM 11: FOR ANNE GREGORY

CH7: GLIMPSES OF INDIA

1. A BAKER FROM GOA

2. COORG

3. TEA FROM AASSAM

CH8: MIJBIL THE OTTER

CH9: MADAM RIDES THE BUS

CH10: THE SERMON AT BENARES

CH11: THE PROPOSAL

READING COMPREHENSION

GRAMMAR: TENSES, MODALS, USE OF ACTIVE & PASSIVE VOICE, SUBJECT-VERB CONCORD, REPORTING SPEECH, CLAUSES, DETERMINERS AND PREPOSITION, EDITING , GAP FILLING, JUMBLED SENTENCES, CONDITIONAL , NON-FINITE , INTEGRATED EXERCISE, CONNECTORS.

WRITING: LETTER (PLACING AND CANCELLING OF AN ORDER, ENQUIRY, EDITOR)/ ARTICLE , STORY WRITING

ASL: LISTENING AND SPEAKING ACTIVITY

NOTE: THE ENTIRE TERM-1 SYLLABUS WILL BE INCLUDED

MATHEMATICS

TERM I

PERIODIC TEST- 1

- CH-1 REAL NUMBERS
- CH-2 POLYNOMIALS
- CH-3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

HALF YEARLY EXAMINATION

- CH-1 REAL NUMBERS
- CH-2 POLYNOMIALS
- CH-3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
- CH-4 QUADRATIC EQUATION
- CH-6 TRIANGLES
- CH-8 INTRODUCTION TO TRIGONOMETRY
- CH-14 STATISTICS
- CH-15 PROBABILITY

TERM II

PERIODIC TEST - 2

- CH-5 ARITHMETIC PROGRESSION
- CH-7 COORDINATE GEOMETRY
- CH-10 CIRCLES

PRE BOARD EXAMINATION

- CH-1 REAL NUMBERS
- CH-2 POLYNOMIALS
- CH-3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
- CH-4 QUADRATIC EQUATION
- CH-5 ARITHMETIC PROGRESSION
- CH-6 TRIANGLES
- CH-7 COORDINATE GEOMETRY

- CH-8 INTRODUCTION TO TRIGONOMETRY
- CH-9 SOME APPLICATION TO TRIGONOMETRY
- CH-10 CIRCLES
- CH-11 CONSTRUCTIONS
- CH-12 AREA RELATED TO CIRCLES
- CH-13 SURFACE AREA AND VOLUME
- CH-14 STATISTICS
- CH-15 PROBABILITY

PRACTICALS:

LAB. ACTIVITIES RELATED TO ABOVE CHAPTERS

SCIENCE

TERM I

PERIODIC TEST-1

- CHAPTER-1: CHEMICAL REACTIONS AND EQUATIONS
- CHAPTER-6: LIFE PROCESSES
- CHAPTER-12: ELECTRICITY

HALF YEARLY EXAMINATION

- CHAPTER-1: CHEMICAL REACTIONS AND EQUATIONS
- CHAPTER-2: ACIDS, BASES AND SALTS
- CHAPTER-3: METALS AND NON- METALS
- CHAPTER-6: LIFE PROCESSES
- CHAPTER-7: CONTROL AND COORDINATION
- CHAPTER-12: ELECTRICITY
- CHAPTER-13: MAGNETIC EFFECT OF ELECTRIC CURRENT
- CHAPTER-14: SOURCES OF ENERGY

TERM II

PERIODIC TEST-2

- CHAPTER-4: CARBON AND ITS COMPOUNDS
- CHAPTER-8: HOW DO ORGANISMS REPRODUCE
- CHAPTER-10: LIGHT: REFLECTION AND REFRACTION

PRE BOARD EXAMINATION

- CHAPTER-1: CHEMICAL REACTIONS AND EQUATIONS
- CHAPTER-2: ACIDS, BASES AND SALTS
- CHAPTER-3: METALS AND NON- METALS
- CHAPTER-4: CARBON AND ITS COMPOUNDS
- CHAPTER-5: PERIODIC CLASSIFICATION OF ELEMENTS
- CHAPTER-6: LIFE PROCESSES

CHAPTER-7: CONTROL AND COORDINATION
CHAPTER-8: HOW DO ORGANISMS REPRODUCE
CHAPTER-9: HEREDITY AND EVOLUTION
CHAPTER-10: LIGHT: REFLECTION AND REFRACTION
CHAPTER-11: HUMAN EYE
CHAPTER-12: ELECTRICITY
CHAPTER-13: MAGNETIC EFFECT OF ELECTRIC CURRENT
CHAPTER-14: SOURCES OF ENERGY
CHAPTER-15: OUR ENVIRONMENT
CHAPTER-16: MANAGEMENT OF NATURAL RESOURCES

SOCIAL SCIENCE

TERM- I

PERIODIC TEST – 1

GEOGRAPHY CH-2: FOREST AND WILDLIFE
POLITICAL SCIENCE CH-3: DEMOCRACY AND DIVERSITY
CH-8: CHALLENGES TO DEMOCRACY

TERM-I

HISTORY CH-1: RISE OF NATIONALISM IN EUROPE
CH-3: MAKING OF A GLOBAL WORLD
GEOGRAPHY CH-1: RESOURCES AND DEVELOPMENT
CH-4: AGRICULTURE
CH-5: MINERALS AND ENERGY RESOURCES
POLITICAL SCIENCE CH-1: POWER SHARING
CH-2: FEDERALISM
CH-4: GENDER, RELIGION AND CASTE
ECONOMICS CH-1: DEVELOPMENT
CH-2: SECTORS OF INDIAN ECONOMY
CH-3: MONEY AND CREDIT

TERM- II

PERIODIC TEST - 2

GEOGRAPHY CH-3: WATER RESOURCES
POLITICAL SCIENCE CH-5: POPULAR STRUGGLES AND MOVEMENTS

PRE BOARD EXAMINATION

HISTORY CH-2: NATIONALISM IN INDIA
CH-5: PRINT CULTURE AND THE MODERN WORLD
GEOGRAPHY CH-6: MANUFACTURING INDUSTRIES
CH-7: LIFELINES OF NATIONAL ECONOMY
POLITICAL SCIENCE CH-6: POLITICAL PARTIES
CH-7: OUTCOMES OF DEMOCRACY

ECONOMICS

CH-4: GLOBALISATION AND THE INDIAN ECONOMY

PROJECT-ANY ONE OF THE FOLLOWING

- 1) CONSUMER AWARENESS
- 2) SOCIAL ISSUES
- 3) SUSTAINABLE DEVELOPMENT

NOTE- Entire syllabus of Term I and Term II (except periodic test I and II chapters) will be taken in Pre-Board Examinations.

(As per CBSE instructions periodic chapters will not be evaluated in board examination)

(हिंदी)

इकाई परीक्षा -१

स्पर्श-

गद्य खंड पाठ-१ बड़े भाईसाब

काव्य खंड पाठ-१ कबीर की सखी

संचयन पाठ-१ हरिहर काका

व्याकरण-

अपठित गद्यांश एवं काव्यांश

शब्द व पद

समास

मुहावरे

अशुद्धि शोधन

प्रथम सत्र

स्पर्श-

गद्य खंड पाठ-१ बड़े भाईसाब

पाठ-२ डायरी का एक पन्ना

पाठ- ३ ततारा वामीरो कथा

काव्य खंड पाठ-१ कबीर की साखी

पाठ-२ मीरा के पद

पाठ-५ पर्वत प्रदेश में पावस

पाठ-७ तोप

संचयन- पाठ १ हरिहर काका

व्याकरण

अपठित गद्यांश व काव्यांश

शब्द व पद

समास

मुहावरे

अनुच्छेद लेखन

सूचना

विज्ञापन लेखन

संवाद लेखन

अशुद्धि शोधन

वाक्य विचार

इकाई परीक्षा-२

स्पर्श

गद्य खंड पाठ-६ अब कहाँ दूसरे के दुःख से दुखी होने वाले

काव्य खंड पाठ-४ मनुष्यता

संचयन पाठ-२ सपनों के से दिन

व्याकरण-

अपठित गद्यांश एवं काव्यांश

शब्द व पद

समास

मुहावरे

अशुद्धि शोधन

द्वितीय सत्र

स्पर्श गद्य खंड पाठ-६ अब कहाँ दूसरे के दुःख से दुखी होने वाले

पाठ- ७ पतझर में टूटी पतियाँ

पाठ-८ कारतूस

काव्य खंड पाठ-३ बिहारी के दोहे

पाठ-४ मनुष्यता

पठ कर चले हम फ़िदा

पाठ-९ आत्मत्राण

संचयन पाठ-२ सपनों के से दिन

पाठ-३ टोपी शुक्ला

व्याकरण-

अपठित गद्यांश व काव्यांश

शब्द व पद

समास

मुहावरे

अनुच्छेद लेखन

सूचना

विज्ञापन लेखन

संवाद लेखन

अशुद्धि शोधन

वाक्य विचार

Computer Applications

CLASS X (Code 165)

(2019-20)

Learning Outcomes

1. Ability to create a simple website
2. Ability to embed images, audio and video in an HTML page
3. Ability to use style sheets to beautify the web pages.
4. Ability to write iterative programs with Scratch/Python.
5. Ability to Interface a web site with a web server and record the details of a user's request.
6. Ability to follow basic cyber ethics
7. Ability to familiarize with network concepts.

Distribution of Marks and Periods

Unit No.	Unit Name	Marks	Periods	
			Theory	Practical
1.	Networking	5	05	05
2.	HTML	12	30	50
3.	Cyber ethics	5	05	10
4.	Scratch/Python Theory	8	15	60
5.	Practicals	70	-	-
	Total	100	55	125

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, e-Shopping, 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*).
- 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.

Unit 4: Scratch or Python (Theory and Practical)

Alternative 1: Scratch

- Revision of the basics of Scratch
- Sprite, tempo, variables, and events
- Coordinates and conditionals
- Drawing with iteration
- Update variables repeatedly, iterative development, ask and answer blocks
- Create games, animated images, stories and songs

Alternative 2: Python (only for children with special needs)

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

5. Lab Exercises

- Create static web pages.
- Use style sheets to enforce a format in an HTML page (CSS).
- Embed pictures, audio and videos in an HTML page.
- Add tables and frames in an HTML page.
- Decorate web pages using graphical elements.
- Create a website using several webpages. Students may use any open source or proprietary tool.
- Work with HTML forms: text box, radio buttons, checkbox, password, list, combo box.
- Write a blog using HTML pages discussing viruses, malware, spam and antiviruses
- Create a web page discussing plagiarism. List some reported cases of plagiarism and the consequent punishment meted out. Explain the nature of the punishment in different countries as per their IP laws.
- Create simple stories with Scratch (involving at least two objects/characters) and iteration OR write programs for finding the sum/product of first n natural numbers using Python

Breakup of marks for the practicals:

S.No.	Unit Name	Marks
1.	Lab Test (30 marks)	
	HTML (design one web page based on a diagram)	15
	Scratch or Python (write one program)	15
2.	Report File + viva (25 marks)	
	Report file: At least 10 HTML pages, and at least 5 Scratch/Python programs.	20
	Viva voce (based on the report file)	5
3.	Project (that uses most of the concepts that have been learnt)	15