

# **SYLLABUS FOR THE SESSION 2018-2019**

## **CLASS-X**

### **ENGLISH COURSE - A**

English Course 'A' is based upon an approach of teaching/ learning which helps to develop the students' communicative competence. The aim of this course is to prepare the students to use language as a spring board to explore and study other areas of knowledge and also in real life situations in which they may be required to use English.

#### **General Aims**

- a. To enable the students to communicate effectively in English.
- b. To enable the students to use the four language skills, i.e. listening, speaking, reading and writing.
- c. To enable the students to use grammar structures and other grammatical forms accurately and appropriately.
- d. To develop an interest in and appreciation of literature.
- e. To enable the students to use language fluently, appropriately and confidently in real-life situations.

#### **Objectives :**

##### **Listening**

By the end of the course, students should be able to :

1. listen to a talk or conversation and understand the topic and its main points.
2. Listen for information, e.g., in a radio broadcast, commentaries, etc.
3. distinguish main points from supporting details.
4. distinguish relevant from irrelevant information.
5. understand and respond to an instruction, advice and request in familiar and unfamiliar social situations.

## Speaking

By the end of the course, students should be able to :

1. speak appropriately, correctly and intelligently (take care of stress & intonation).
2. speak with accuracy following the overall rhythm of spoken English i.e., proper pauses and sentence stress.
3. narrate incidents and events in a logical sequence.
4. present oral reports.
5. express and argue a point clearly and effectively.
6. convey messages effectively.
7. frame questions so as to get a desired response.
8. take an active part in group discussions, showing an ability to express agreement or disagreement, to summarise ideas, to elicit the views of others, and to present own ideas.
9. express and respond to personal feelings, opinions and attitudes.
10. participate in spontaneous spoken discourse in familiar and unfamiliar social situations.

## Reading

By the end of the course, students should be able to:

1. read silently as well as aloud at varying speed.
2. read for information.
3. read for thematic understanding.
4. Read for distinguishing main ideas from supporting details.
5. read for recognizing new words in a context.
6. analyse, interpret and evaluate the ideas in a text and make inferences.
7. read and complete the given summary.
8. read extensively for pleasure.

## Writing

By the end of the course, students should be able to:

1. express ideas clearly, concisely, correctly and appropriately.
2. write a description, an account of events, biographical sketch.
3. write letters (formal and informal) in an appropriate style and format.
4. expand notes into a piece of writing.
5. plan, organise and present ideas coherently by introducing, developing and concluding a topic, e.g., articles, speech.
6. present an argument, supporting it with appropriate examples.
7. transcode information from diagrammatic to verbal form.
8. recode information from one text type to another (e.g., diary entry to letter, advertisement to report, etc.).
9. write on themes based on specified topics (suggested).
10. The students should be able to write message, notice, e-mail and diary entry.

## Literature

By the end of the course, students should be able to :

1. understand, interpret and evaluate a 'character' in a literary text.
2. understand, interpret and evaluate plot/story/theme in a literary text.
3. understand 'form' in a literary text such as rhyme, rhythm, simile, metaphor, alliteration repetition.

## Grammar

By the end of the course, students should be able to use the following grammatical items appropriately and accurately in a context :

1. Tenses
2. Narration
3. Modals
4. Subject-Verb Agreement

**SYLLABUS FOR THE SESSION 2018-2019**

**CLASS-X  
ENGLISH**

**April-May (First Term)**

**Literature**

- Unit-1 Two Gentlemen of Verona  
Poem-1 The Frog and the nightingale

**Main Course Book**

- Unit-1 Health and Medicine

**Work Book**

- Unit-1 Determiners  
Unit-2 Tenses  
Unit-3 Subject Verb Agreement  
Unit-4 Reported Speech  
Novel : Lesson 1-8 (The Story of My Life : Hellan Killer.)

**July - September (Mid Term)**

**Literature**

- Unit-2 Mrs. Packlitide's Tiger  
Unit-3 The Letter  
Unit-4 Shady Plot  
Unit-5 Patol Babu : A film Star  
Poem-2 Not Marble Non the gilded Management  
Poem-3 Ozymandias  
Drama-1 Dear Departed

**Main Course Book**

- Unit-2 Education  
Unit-3 Science  
Unit-4 Environment

**Workbook**

- Unit-5 Non-Finites  
Unit-6 Relatives  
Unit-7 Connectors  
Unit-8 Conditionals  
Unit-9 Active and Passive  
Novel- Unit 9-20

**October-November**

**Literature**

- Unit-6 Virtually True  
Poem-4 Rime of the Ancient Mariner  
Poem-5 Snake  
Drama-2 Julius Caesar

**Main Course Book**

- Unit-5 Travel and Tourism  
Unit-6 National Integration

**Work Book:**

- Unit-10 Comparison  
Unit-11 Repetition  
Unit-12 Nominalisation  
Unit-13 Modals  
Unit-14 Preposition  
Novel : Units 21-23

**January-February**

Revision

## हिन्दी

### पाठ्य पुस्तकें

1. स्पर्श भाग-2
2. संचयन भाग-2

### Pre Mid Term April to May

1. स्पर्श-गद्य खंड  
गद्य खंड  
पाठ-1 बड़े भाई साहब (प्रेमचंद)  
पद्य खंड  
पाठ-1 साखी (कबीर)
2. व्याकरण  
शब्द और पद  
मुहावरे
3. लेखन-अनुच्छेद
4. अपठित बोध-अपठित काव्यांश

### Mid Term July-Sept.

1. स्पर्श गद्य खंड  
पाठ-1 बड़े भाई साहब (प्रेमचंद)  
पाठ-2 डायरी का एक पन्ना (सीताराम सेकसरिया)  
पाठ-3 तताँरा वामीरो कथा (लीलाधर मंडलोई)  
पाठ-4 तीसरी कसम के शिल्पकार शैलेन्द्र (प्रहलाद अग्रवाल)  
(केवल पढ़ने के लिए)

### पद्य खंड

- पाठ-1 साखी (कबीर)
- पाठ-2 पद (मीरा)
- पाठ-3 दोहे (बिहारी)
- पाठ-4 मनुष्यता (मैथिली शरण गुप्त)

### 2. संचयन

- पाठ-1 हरिहर काका
3. व्याकरण
  - i) शब्द व पद
  - ii) अशुद्धि शोधन
  - iii) मुहावरे (पाठ्य-पुस्तक पर आधारित)
  - iv) रचना के आधार पर वाक्यों का रूपांतरण
  - v) समास
4. अपठित बोध -अपठित गद्यांश, अपठित काव्यांश
5. रचनात्मक लेखन
  - i) पत्र (औपचारिक)
  - ii) अनुच्छेद
  - iii) सूचना
  - iv) संवाद
  - v) विज्ञापन
6. आंतरिक मूल्यांकन
  - i) उत्तर पुस्तिका
  - ii) वाचन

### Post Mid Term October to November

1. स्पर्श गद्य खंड  
पाठ-3 तताँरा वामीरो कथा (लीलाधर मंडलोई)  
पाठ-5 गिरगिट (अंतोन चेखन) (केवल पढ़ने के लिए)  
पाठ-6 अब कहाँ दूसरों के दुख से दुखी होने वाले (निदा फाजली)
  - पाठ-7 पतझड़ में टूटी पत्तियाँ (रवींद्र केलेकर)
  - पाठ-8 कारतूस (हबीब तनवीर)
- ### पद्य खंड
- पाठ-3 दोहे (बिहारी)
  - पाठ-5 पर्वत प्रदेश में पावस (सुमित्रानंदन पंत)

पाठ-6 मधुर-मधुर मेरे दीपक जल (महादेवी वर्मा) (केवल पढ़ने के लिए)

पाठ-7 तोप (वीरेन डंगवाल)

पाठ-8 कर चले हम फिदा (कैफ़ी आज़मी)

पाठ-9 आत्मत्राण (रविन्द्रनाथ ठाकुर)

2. संचयन

पाठ-2 सपनों के से दिन (गुरदयाल सिंह)

3. व्याकरण

i) शब्द व पद

ii) रचना के आधार पर वाक्य रूपांतरण

iii) समास

iv) अशुद्धि शोधन

v) मुहावरे

4. अपठित बोध-अपठित गद्यांश, अपठित काव्यांश

5. रचनात्मक लेखन

i) पत्र (औपचारिक)

ii) अनुच्छेद

iii) सूचना

iv) संवाद लेखन

v) विज्ञापन लेखन

6. आंतरिक मूल्यांकन

i) उत्तर पुस्तिका

ii) श्रवण

**Pre Board January - संपूर्ण पाठ्यक्रम**

## MATHEMATICS

**The broad Aims and are to help the learners to Objectives of teaching mathematics.**

- \* Consolidate the Mathematical knowledge and skills acquired at the upper primary stage.

- \* Acquire knowledge and understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles and symbols and underlying processes and skills.
- \* Develop mastery of basic algebraic skills.
- \* Develop drawing skills.
- \* Feel the flow of reason while providing a result or solving a problem;
- \* Apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method.
- \* To develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases.
- \* to develop positive ability to think analyze and articulate logically.

### Pre Mid Term or Quarterly (April-May)

Ch.1 Real Numbers

Ch.2 Polynomials

Ch.3 Linear Equation in Two Variables

Ch.6 Triangles

Ch.7 Coordinate Geometry

### Maths Lab Activities

1. To obtain the conditions for number of solutions/ consistency of a pair of linear equations in two variables by graphical method.
2. To verify Basic Proportionality Theorem by an activity method.
3. To verify Pythagoras Theorem by Cutting and pasting method.

### Mid Term or Half Yearly (July to Sept.)

- Ch.4 Quadratic Equations  
Ch.5 Arithmetic Progression  
Ch.8 Introduction to Trigonometry.  
Ch.9 Applications of Trigonometry Chapter-10 Circles  
Ch.10 Circles

### Maths Lab Activities

4. To verify that the given sequence is an arithmetic progression by paper cutting and pasting method.  
5. To verify using the method of paper cutting, pasting and folding that the length of tangents drawn from an external point to a circle are equal.

### Post Mid Term or Pre-Annual (October-November)

- Ch.11 Constructions  
Ch.12 Areas Related to Circles  
Ch.13 Surface Areas and Volumes  
Ch.14 Statistics  
Ch.15 Probability

### Maths Lab Activities

6. To verify that the sum of areas of three sectors of the same radii are formed at the vertices (as centre) of any triangle is  $\pi r^2$ , using paper cutting and pasting.  
7. To give suggestive demonstration of the formula that area of the circle is half the product of its circumference and radius by paper cutting and pasting method.  
8. To Compare the curved surface area and total surface area of two right circular cylinders which are formed from rectangular sheets of paper having same dimensions.  
9. To compare the volume of two right circular cylinders which are formed from rectangular sheet of paper having same dimensions.

10. To get a familiar with the idea of probability of an event through a coin experiment.

## SCIENCE

### Objectives :

1. To train the students to think, reason, analyse and experiment.
2. To develop scientific attitude and temper.
3. To understand the principles and processes related to simple scientific & technological activities.
4. To develop experimental skills and sharpen their sense of inquiry.
5. To inculcate science and technology related values.

### Pre-Mid Term Examination (April-May)

### Chapters :

1. Chemical reactions and equations.
2. Life Processes : Nutrition
3. Electricity

### Practicals :

1. To perform and observe the following reactions and classify them into :-
  - i) Combination Reaction
  - ii) Decomposition Reaction
  - (iii) Displacement Reaction
  - (iv) Double displacement reaction.
    - a) Action of water on quick lime.
    - b) Action of heat on Ferrous sulphate crystals.
    - c) Iron nails kept in Copper sulphate solution.
    - d) Reaction between Sodium sulphate and Barium chloride solutions.

2. To prepare a temporary mount of a leaf peel to show stomata.
3. To study the dependence of p.d. (v) across a resistor on the current (I) passing through it and determine its resistance also plot a graph between V and I.
4. To determine equivalent resistance of two resistors when connected in series.
5. To determine equivalent resistance of two resistors when connected in parallel.

#### Mid Term Examination (July-Sept.)

##### Chapters :

1. Acids, bases and salts
2. Metals and non-metals.
3. Life Processes.
4. Control and Co-ordination.
5. Magnetic Effects of current.
6. Sources of energy.

##### Practicals :

1. To find the pH of the following samples by using pH paper/universal indicator.
  - i) Dilute Hydrochloric acid
  - ii) Dilute NaOH solution
  - iii) Dilute Ethanoic acid solution
  - iv) Lemon juice
  - v) Water
2. To study the properties of acids and bases HCl & NaOH by their reaction with
  - a) Litmus solution (Blue/Red)
  - b) Zinc metal
  - c) Solid Sodium Carbonate

- 3.a) To observe the action of Zn, Fe, Cu and Al (Aluminium) metals on the following salt solutions.
  - i)  $\text{ZnSO}_4$  (aq)
  - ii)  $\text{FeSO}_4$  (aq)
  - iii)  $\text{CuSO}_4$  (aq)
  - iv)  $\text{Al}_2(\text{SO}_4)_3$  (aq)
- b. Arrange Zn, Fe, Cu and Al (Aluminium) metals in the decreasing order of reactivity based on the above result.
4. To show experimentally that carbon dioxide is given out during respiration.

#### Post Mid Term (Oct. to Nov.)

- Ch.1 Carbon and its compounds
- Ch.2 Periodic Classification of elements.
- Ch.3 How do Organisms reproduce?
- Ch.4 Heredity and evolution .
- Ch.5 Our Environment
- Ch.6 Management of Natural resources.
- Ch.7 Light Reflection and refraction
- Ch.8 Human Eye and colourful world.

**Note :** (Chapters of first term and mid-term examination will also be included).

##### Practicals

1. To study the following properties of acetic acid (ethanoic acid) :
  - i) odour
  - ii) solubility in water
  - iii) effect on litmus
  - iv) reaction with sodium bicarbonate

2. To study saponification reaction for preparation of soap.
3. To study the comparative cleaning capacity of a sample of soap in soft and hard water.
4. To determine the focal length of
  - i) Concave mirror
  - ii) Convex lens
 by obtaining the image of a distant object
5. 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.
6. To study (a) binary fission in Amoeba and (b) budding in Yeast with the help of prepared slides.
7. To trace the path of the rays of light through a glass prism.
8. To draw the images of an object formed by a convex lens when placed at various positions.
9. To identify the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

**CBSE Board Examination : (March)**

All the chapters and practicals according to CBSE curriculum will be included.

**SOCIAL SCIENCE**

**Pre-Mid Term (April-May)**

- |           |  |
|-----------|--|
| Economics | Ch.1 Development.<br>Ch.2 Sectors of the Indian Economy. |
| Geography | Ch.1 Resources And Development.                          |
| History   | Ch.2 Nationalism in India                                |

- |              |                                       |
|--------------|---------------------------------------|
| Pol. Science | Ch.1 Power Sharing<br>Ch.2 Federalism |
|--------------|---------------------------------------|

**Mid Term (July - September)**

- |              |   |
|--------------|---|
| Economics    | Ch.3 Money and Credit   |
| Geography    | Ch.3 Water Resources<br>Ch.4 Agriculture<br>Ch.5 Minerals and Energy Resources              |
| History      | Ch.3 Nationalism in Indo-China<br>Ch.6 Work, Life and Leisure                               |
| Pol. Science | Ch.3 Democracy and Diversity.<br>Ch.4 Gender, Religion and Caste.<br>Ch.6 Political Parties |

**Post Mid Term (Oct.-Nov.)**

- |              |   |
|--------------|---|
| Economics    | Ch.4 Globalisation<br>Ch.5 Consumer Rights.   |
| Geography    | Ch.5 Minerals & Energy Resource (Contd.)<br>Ch.6 Manufacturing Industries<br>Ch.7 Lifelines of National Economy |
| History      | Ch.8 History-Novels, Society and History  |
| Pol. Science | Ch.7 Outcomes of democracy<br>Ch.8 Challenges of Democracy  |

**संस्कृत**

**Pre-Mid Term (April-May)**

- मणिका पुस्तक
- पाठ-1 वाङ्मय तपः  
पाठ-2 गुरुणां आज्ञा हि अविचारणीया

मणिका अभ्यास

पाठ-1 सन्धि पुनरावृत्ति

स्वर सन्धि, अव्ययपदानि

अपठित गद्यांश

चित्रवर्णनम्

Mid Term (July-Sep.)

खण्ड-क (अपठित अवबोधनम्)

अपठित गद्यांश

खण्ड-ख (रचनात्मक लेखनम्)

पत्रलेखनम् चित्रवर्णनम्

खण्ड-ग (अनुप्रयुक्त व्याकरणम्)

1. संधि

2. समास तत्पुरुष (विभक्ति, नभ्, उपपद)  
कर्मधारय

द्विगुः

3. प्रत्यय कृदन्त-तव्यत्, अनीयर्  
तद्धित-मतुप्, इन्, ठक्

4. अव्ययपदानि-अपि, इव, उच्चैः, एव, नूनम्, पुरा, इतस्ततः,  
अत्र-तत्र, यथा-कथा, यावत्-तावत्, यदि-तर्हि, सहसा,  
विना, अधुना, वृथा, शनैः

5. वाच्यपरिवर्तनम् (केवलं लटलकारे)

6. घटिकाचित्रसाहयेन अडकानां स्थाने शब्देषु समयलेखनम्  
(सामान्य-सपद-सार्ध-पादोन)

खण्ड-घ (पठित अवबोधनम्)

प्रथमः पाठः वाङ्मयं तपः

द्वितीयः पाठः आज्ञा गुरुणां ह्यविचारणीया

तृतीयः पाठः किं किम् उपादेयम्

चतुर्थः पाठः नास्ति त्यागसमं सुखम्

पञ्चमः पाठः अभ्यासवशात् मनः

पाठ्य पुस्तकस्य सामग्रीम अधिकृत्य अवबोधनात्मक कार्यम्

1. गद्यांशः, पद्यांशः, नाट्यांश, भाषिककार्यम्

2. भावावबोधनम्

3. अन्वयः

4. प्रश्न निर्माणम्

5. कथाक्रमसंयोजनम्

6. शब्दार्थ मेलनम्

Post Mid Term (Oct.-Nov.)

खण्ड-क अपठित अवबोधनम्

खण्ड-ख रचनात्मक-कार्यम्

पत्र-लेखनम्

चित्र-वर्णनम्

खण्ड-ग (अनुप्रयुक्त व्याकरणम्)

1. सन्धि कार्यम्

स्वर सन्धि-यण्, अयादि, पूर्वरूप

व्यञ्जन सन्धि-मोऽनुस्वारः, वर्गीयप्रथमाक्षराणां,  
तृतीयवर्णपरिवर्तनम्, प्रथमवर्णस्य पञ्चमवर्णो।

विसर्ग सन्धि-विसर्गस्य लोपः, विसर्ग स्थाने स् श ष्

2. समासः

तत्पुरुष, कर्मधारय, द्विगु, द्वन्द्व, अव्ययीभाव, बहुव्रीहि

3. प्रत्यय

कृदन्त, तव्यत् अनीयर्, शतृ शानच्, तद्धित, मतुप् इन्,  
ठक् त्व तल, स्त्रीप्रत्यय, टाप्, डीप्।

4. अव्यय पदानि

5. वाच्य परिवर्तनम्

6. घटिका

7. संख्या एकतः पञ्चपर्यन्तं, एकतः शतपर्यन्तं  
8. वचन-लिङ्ग, पुरुष-लकार, दृष्ट्या संशोधनम्

खण्ड-घ : पठित अवबोधनम्

प्रथमः पाठः-एकादश पर्यन्तम्

षष्ठः पाठः	साधुवृत्तिं समाचरेत्
सप्तमः पाठः	रमणीया हि सृष्टिरेषा
अष्टमः पाठः	तिररुक्कुरल्-सूक्ति-सौरभम्
नवमः पाठः	राष्ट्रं संरक्ष्यमेव हि
दशमः पाठः	सुस्वागतं भो! अरुणाचलेऽस्मिन्
एकादशः पाठः	कालोऽहम्

पाठ्यपुस्तकम् अधिकृत्य

1. गद्यांशः  
पद्यांशः  
नाट्यांशः
2. भावावबोधनम्
3. अन्वयः
4. प्रश्ननिर्माणम्
5. कथाक्रम संयादनम्
6. शब्दार्थ मेलनम्

## FRENCH

Pre-mid Term (April-May)

40 Marks

Lesson-1	Retrouvons nos amis
Lesson-2	Après Le bac.
Lesson-3	Chercher du travail

Mid Term (July-September)

80 Marks

Lesson-4	le plaisir de lire.
Lecon-5	les médias
Lecon-6	Chacun ses goûts.
Lesson-7	En pleine forme

Post Mid Term (October-November)

Lesson-8	l'environnement
Lacon-9	Métro Boulot Dodo
Lacon-10	Vive la République
Lecon-11	les fêtes
Lecon-12	la fram cophonie