

# ENGLISH LANGUAGE AND LITERATURE

(Code No. 184)

## SYLLABUS CLASS – IX

### PART A

#### Reading:-

**Unseen Passage** **20 Marks**

**I.** Multiple Choice Questions based on a Discursive passage of 400-450 words to test inference, evaluation and vocabulary. Ten out of twelve questions to be answered. **(10×1=10)**

**II.** Multiple Choice Questions based on a Case-based factual passage (with visual input-statistical data, chart etc.) of 200-250 words to test analysis and interpretation.

Ten out of twelve questions to be answered. **(10×1=10)**

**Literature Textbooks** **10 Marks**

**III.** Multiple Choice Questions based on an extract from drama/prose to test inference, evaluation and vocabulary. Any 1 out of 2 extracts to be done. **(5×1=5)**

**IV.** Multiple Choice Questions based on an extract from poetry to test analysis and interpretation. Any 1 out of 2 extracts to be done **(5×1=5)**

**Grammar** **10 Marks**

**V.** Ten Multiple Choice Questions, out of twelve, to be answered (including gap filling/editing/ dialogue writing). Questions shall be based on the following:

- Tenses
- Modals
- Subject – verb concord
- Reported speech
- Commands and requests
- Statements
- Questions
- Determiner
- Use of Passive Voice
- Clauses: Noun, Adverb Clauses of condition and time, Relative Clauses
- Prepositions

### PART B

**Writing** **10 marks**

**I.** Writing an Informal Letter on a situation/ Descriptive Paragraph (person, place, event, diary entry) based on a given outline or cue/s. (100-120 words)

One out of two questions is to be answered. **(5 marks)**

**II.** Writing a story based on a given outline or cue/s. (word limit 100-120 words)

One out of two questions is to be answered. **(5 marks)**

**Literature****30 Marks**

**III.** Four out of six Short Answer Type Questions to be answered in 20-30 words each from BEEHIVE and MOMENTS (two out of three from BEEHIVE and two out of three from MOMENTS). **(2×4=8)**

**IV.** Four out of six Short Answer Type Questions to be answered in 40-50 words each from BEEHIVE and MOMENTS (two out of three from BEEHIVE and two out of three from MOMENTS). **(3×4=12)**

**V.** One out of two Long Answer Type Questions from BEEHIVE to be answered in about 100-120 words each to assess creativity, imagination and extrapolation beyond the text and across the texts. This can be a passage-based question taken from a situation/plot from the texts. **(5 marks)**

**VI.** One out of two Long Answer Type Questions from MOMENTS on theme or plot involving interpretation, extrapolation beyond the text and inference or character sketch to be answered in about 100-120 words. **(5 marks)**

**हिंदी पाठ्यक्रम – अ (कोड सं. - 002)**  
**कक्षा 9वीं हिंदी अ – परीक्षा हेतु पाठ्यक्रम**

**भारांक 80**

**निर्धारित समय 3 घंटे**

<b>परीक्षा भार विभाजन</b>				
	<b>विषयवस्तु</b>		<b>उप भार</b>	<b>कुल भार</b>
1	अपठित गद्यांश (चिंतन क्षमता एवं अभिव्यक्ति कौशल पर) अति लघूत्तरात्मक एवं लघूत्तरात्मक प्रश्न पूछे जाएंगे।			10
	एक अपठित गद्यांश (100 से 150 शब्दों के) (1x2=2) (2x4=8)		10	
2	व्याकरण के लिए निर्धारित विषयों पर विषय-वस्तु का बोध, भाषिक बिंदु /संरचना आदि पर प्रश्न (1x16)			16
	व्याकरण			
	1	शब्द निर्माण उपसर्ग – 2 अंक, प्रत्यय – 2 अंक, समास – 4 अंक	8	
	2	अर्थ की दृष्टि से वाक्य भेद – 4 अंक	4	
	3	अलंकार – 4 अंक (शब्दालंकार: अनुप्रास, यमक, श्लेष) (अर्थालंकार : उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)	4	
3	पाठ्यपुस्तक क्षितिज भाग – 1 व पूरक पाठ्यपुस्तक कृतिका भाग -1			
	अ	गद्य खंड	14	
	1	क्षितिज से निर्धारित पाठों में से गद्यांश के आधार पर विषय-वस्तु का ज्ञान बोध, अभिव्यक्ति आदि पर तीन प्रश्न पूछे जाएंगे। (2x3)	6	
	2	क्षितिज से निर्धारित गद्य पाठों के आधार पर विद्यार्थियों की उच्च चिंतन क्षमताओं एवं अभिव्यक्ति का आकलन करने हेतु चार प्रश्न पूछे जाएंगे। (2x4) (विकल्प सहित)	8	
	ब	काव्य खंड	14	
	1	क्षितिज से निर्धारित कविताओं में से काव्यांश के आधार पर तीन प्रश्न पूछे जाएंगे (2x3)	6	

	2	क्षितिज से निर्धारित कविताओं के आधार पर विद्यार्थियों का काव्यबोध परखने हेतु चार प्रश्न पूछे जाएंगे। (2x4) (विकल्प सहित)	8	34
स		पूरक पाठ्यपुस्तक कृतिका भाग – 1	6	
		कृतिका के निर्धारित पाठों पर आधारित दो प्रश्न पूछे जाएँगे (विकल्प सहित)। (3x2)	6	
4	लेखन			20
	अ	विभिन्न विषयों और संदर्भों पर विद्यार्थियों के तर्कसंगत विचार प्रकट करने की क्षमता को परखने के लिए संकेत बिंदुओं पर आधारित समसामयिक एवं व्यावहारिक जीवन से जुड़े हुए विषयों में से किन्हीं तीन विषयों पर 80 से 100 शब्दों में किसी एक विषय पर अनुच्छेद (5x1)	5	
	ब	अभिव्यक्ति की क्षमता पर केंद्रित औपचारिक अथवा अनौपचारिक विषयों में से किसी एक विषय पर पत्र। (5x1)	5	
	स	किसी एक विषय पर संवाद लेखन। (5x1) (विकल्प सहित)	5	
	द	लघु-कथा लेखन (दिए गए प्रस्थान बिंदु के आधार पर 100-120 शब्दों में) (विकल्प सहित)	5	
		कुल		80

#### निर्धारित पुस्तकें :

1. क्षितिज, भाग-1, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण
2. कृतिका, भाग-1, एन.सी.ई.आर.टी., नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण

नोट – पाठ्यक्रम के निम्नलिखित पाठ हटा दिए गए हैं

क्षितिज, भाग – 1	काव्य खंड	<ul style="list-style-type: none"> <li>• कबीर – साखियाँ व सबद पाठ से सबद-2 संतो भाई आई..</li> <li>• सुमित्रानंदन पंत – ग्राम श्री</li> </ul>
	गद्य खंड	<ul style="list-style-type: none"> <li>• श्यामाचरण टूबे – उपभोक्तावाद की संस्कृति</li> <li>• हज़ारीप्रसाद द्विवेदी – एक कुत्ता और एक मैना</li> </ul>
कृतिका, भाग – 1		<ul style="list-style-type: none"> <li>• फणीश्वरनाथ रेणु – इस जल प्रलय में</li> <li>• शमशेर बहादुर सिंह – किस तरह आखिरकार मैं हिंदी में आया</li> </ul>

# MATHEMATICS COURSE STRUCTURE

(CODE NO. 041)

## SYLLABUS CLASS – IX

Units	Unit Name	Marks
I	NUMBER SYSTEMS	08
II	ALGEBRA	17
III	COORDINATE GEOMETRY	04
IV	GEOMETRY	28
V	MENSURATION	13
VI	STATISTICS & PROBABILITY	10
	Total	80

### UNIT I: NUMBER SYSTEMS

#### 1. REAL NUMBERS

1. Review of representation of natural numbers, integers, rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers.
2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as  $\sqrt{2}$ ,  $\sqrt{3}$  and their representation on the number line.
3. Rationalization (with precise meaning) of real numbers of the type  $\frac{1}{a+b\sqrt{x}}$  and  $\frac{1}{\sqrt{x}+\sqrt{y}}$  (and their combinations) where x and y are natural number and a and b are integers.
4. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)

### UNIT II: ALGEBRA

#### 1. POLYNOMIALS

Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Factorization of  $ax^2 + bx + c$ ,  $a \neq 0$  where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem.

Recall of algebraic expressions and identities. Verification of identities:

$$(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$$

$$(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$$

$$x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)$$

and their use in factorization of polynomials.

#### 2. LINEAR EQUATIONS IN TWO VARIABLES

Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type  $ax+by+c=0$ . Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and

showing that they lie on a line. Graph of linear equations in two variables. Examples, problems from real life with algebraic and graphical solutions being done simultaneously.

## **UNIT III: COORDINATE GEOMETRY**

### **COORDINATE GEOMETRY**

The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations, plotting points in the plane.

## **UNIT IV: GEOMETRY**

### **1. LINES AND ANGLES**

1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is  $180^\circ$  and the converse.
2. (Prove) If two lines intersect, vertically opposite angles are equal.
3. (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines.
4. (Motivate) Lines which are parallel to a given line are parallel.
5. (Prove) The sum of the angles of a triangle is  $180^\circ$ .
6. (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.

### **2. TRIANGLES**

1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence).
2. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence).
3. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)
4. (Prove) The angles opposite to equal sides of a triangle are equal.
5. (Motivate) The sides opposite to equal angles of a triangle are equal.

### **3. QUADRILATERALS**

1. (Prove) The diagonal divides a parallelogram into two congruent triangles.
2. (Motivate) In a parallelogram opposite sides are equal, and conversely.
3. (Motivate) In a parallelogram opposite angles are equal, and conversely.
4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal.
5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely.
6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.

### **4. CIRCLES**

Through examples, arrive at definition of circle and related concepts-radius, circumference, diameter, chord, arc, secant, sector, segment, subtended angle.

1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse.

2. (Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord.
3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely.
4. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle.
5. (Motivate) Angles in the same segment of a circle are equal.
6. (Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is  $180^\circ$  and its converse.

## 5. CONSTRUCTIONS

1. Construction of bisectors of line segments and angles of measure  $60^\circ$ ,  $90^\circ$ ,  $45^\circ$  etc., equilateral triangles.
2. Construction of a triangle given its base, sum/difference of the other two sides and one base angle.

## UNIT V: MENSURATION

### 1. AREAS

Area of a triangle using Heron's formula (without proof)

### 2. SURFACE AREAS AND VOLUMES

Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cylinders/cones.

## UNIT VI: STATISTICS & PROBABILITY

### 1. STATISTICS

Introduction to Statistics: Collection of data, presentation of data — tabular form, ungrouped / grouped, bar graphs

### 2. PROBABILITY

History, Repeated experiments and observed frequency approach to probability. Focus is on empirical probability. (A large amount of time to be devoted to group and to individual activities to motivate the concept; the experiments to be drawn from real - life situations, and from examples used in the chapter on statistics).

INTERNAL ASSESSMENT	20 MARKS
Pen Paper Test and Multiple Assessment (5+5)	10 Marks
Portfolio	05 Marks
Lab Practical (Lab activities to be done from the prescribed books)	05 Marks

# SCIENCE COURSE STRUCTURE

(Code No. 086)

## SYLLABUS CLASS – IX

(Annual Examination) Marks: 80

Unit No.	Unit	Marks	Periods
I	Matter - Its Nature and Behaviour	23	50
II	Organization in the Living World	20	45
III	Motion, Force and Work	27	60
IV	Our Environment	06	15
V	Food; Food Production	04	10
	<b>Total</b>	<b>80</b>	
	<b>Internal assessment</b>	<b>20</b>	
	<b>Grand Total</b>	<b>100</b>	

### Theme: Materials

#### Unit I: Matter-Nature and Behaviour

Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

**Nature of matter:** Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions.

**Particle nature and their basic units:** Atoms and molecules, Law of constant proportions, Atomic and molecular masses. Mole concept: Relationship of mole to mass of the particles and numbers.

**Structure of atoms:** Electrons, protons and neutrons, valency, chemical formula of common compounds. Isotopes and Isobars.

### Theme: The World of the Living

#### Unit II: Organization in the Living World Cell - Basic Unit of life :

Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.

#### Tissues, Organs, Organ System, Organism:

Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).

#### Biological Diversity:

Diversity of plants and animals-basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperms and Angiosperms). Major groups of animals (salient features) (Nonchordates upto phyla and chordates upto classes).

#### Health and Diseases:

Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programmes.

### Theme: Moving Things, People and Ideas

#### Unit III: Motion, Force and Work

**Motion:** Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.



## **Force and Newton's laws :**

Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum.

## **Gravitation:**

Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.

## **Floatation:**

Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary idea of Relative Density.

## **Work, energy and power:**

Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.

## **Sound:**

Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo and SONAR. Structure of the Human Ear (Auditory aspect only).

## **Theme: Natural Resources: Balance in nature**

### **Unit IV: Our Environment**

#### **Physical resources:**

Air, Water, Soil. Air for respiration, for combustion, for moderating temperatures; movements of air and its role in bringing rains across India. Air, water and soil pollution (brief introduction). Holes in ozone layer and the probable damages.

**Bio-geo chemical cycles in nature:** Water, Oxygen, Carbon and Nitrogen.

#### **Theme: Food**

### **Unit V: Food Production**

Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.

## **PRACTICALS**

**Practicals should be conducted alongside the concepts taught in theory classes.**

### **(LIST OF EXPERIMENTS)**

1. Preparation of: **Unit-I**
  - a) a true solution of common salt, sugar and alum
  - b) a suspension of soil, chalk powder and fine sand in water
  - c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
    - transparency
    - filtration criterion
    - stability
2. Preparation of **Unit-I**
3. a) A mixture  
b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of:
  - (i) appearance, i.e., homogeneity and heterogeneity
  - (ii) behaviour towards a magnet

- (iii) behaviour towards carbon disulphide as a solvent(iv) effect of heat
4. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor). **Unit-I**
  5. Perform the following reactions and classify them as physical or chemical changes: **Unit-I**
    - a) Iron with copper sulphate solution in water
    - b) Burning of magnesium ribbon in air
    - c) Zinc with dilute sulphuric acid
    - d) Heating of copper sulphate crystals
    - e) Sodium sulphate with barium chloride in the form of their solutions in water
  6. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. **Unit-II**
  7. Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams. **Unit-II**
  8. Determination of the melting point of ice and the boiling point of water. **Unit-I**
  9. Verification of the Laws of reflection of sound. **Unit-III**
  10. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. **Unit-III**
  11. Establishing the relation between the loss in weight of a solid when fully immersed in
    - a) Tap water **Unit-III**
    - b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.
  12. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring). **Unit-III**
  13. Study of the characteristics of *Spirogyra*, *Agaricus*, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to. **Unit-II**
  14. Observe the given pictures/charts/models of earthworm, cockroach, bony fish and bird. For each organism, draw their picture and record: **Unit-II**
    - a) one specific feature of its phylum.
    - b) one adaptive feature with reference to its habitat.
  15. Verification of the law of conservation of mass in a chemical reaction. **Unit-III**
  16. Study of the external features of root, stem, leaf and flower of monocot and dicot plants. **Unit-III**

## **SOCIAL SCIENCE**

(Code no. 087)

### **SYLLABUS CLASS – IX**

#### **Unit 1: India and the Contemporary World – I (History Textbook)**

- I. The French Revolution
- II. Socialism in Europe and the Russian Revolution
- III. Nazism and the Rise of Hitler
- IV. Forest Society and Colonialism

#### **Unit 2: Contemporary India – I (Geography Textbook)**

1. India - Size and Location
2. Physical Features of India
3. Drainage
4. Climate
5. Natural Vegetation and Wild Life
6. Population

#### **Unit 3: Democratic Politics – I (Political Science Textbook)**

1. What is Democracy? Why Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions
5. Democratic Rights

#### **Unit 4: Economics**

1. The Story of Village Palampur
2. People as Resources
3. Poverty as a Challenge
4. Food Security in India

### **LIST OF MAP ITEMS**

#### **SUBJECT - HISTORY**

##### **Chapter-1: The French Revolution**

Outline Political Map of France (For locating and labeling / Identification)  
Bordeaux, Nantes, Paris, Marseilles

##### **Chapter-2: Socialism in Europe and the Russian Revolution**

Outline Political Map of World (For locating and labeling / Identification)  
Major countries of First World War  
(Central Powers and Allied Powers)  
Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire)  
Allied Powers - France, England, Russia, U.S.A.

##### **Chapter-3: Nazism and Rise of Hitler**

Outline Political Map of World (For locating and labeling / Identification)  
Major countries of Second World War  
Axis Powers – Germany, Italy, Japan  
Allied Powers – UK, France, Former USSR, USA

Territories under German expansion (Nazi Power)

Austria, Poland, Czechoslovakia (only Slovakia shown in the map), Denmark, Lithuania, France, Belgium

## **SUBJECT – GEOGRAPHY (Outline Political Map of India)**

### **Chapter -1: India-Size and Location**

India-States with Capitals, Tropic of Cancer, Standard Meridian (Location and Labelling)

### **Chapter -2: Physical Features of India**

Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats

Mountain Peaks – K2, Kanchan Junga, Anai Mudi

Plateau - Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau

Coastal Plains - Konkan, Malabar, Coromandal & Northern Circar (Location and Labelling)

### **Chapter -3: Drainage**

Rivers: (Identification only)

The Himalayan River Systems-The Indus, The Ganges, and The Satluj

The Peninsular rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi

Lakes: Wular, Pulicat, Sambhar, Chilika

### **Chapter - 4: Climate**

Areas receiving rainfall less than 20 cm and over 400 cm (Identification only)

### **Chapter - 5: Natural Vegetation and Wild Life**

Vegetation Type: Tropical Evergreen Forest, Tropical Deciduous Forest, Thorn Forest, Montane Forests and Mangrove- For identification only

National Parks: Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal & Manas

Bird Sanctuaries: Bharatpur and Ranganthitto

Wild Life Sanctuaries: Sariska, Mudumalai, Rajaji, Dachigam (Location and Labelling)

### **Chapter - 6: Population (Location and Labelling)**

The state having highest and lowest density of population

The state having highest and lowest sex ratio

Largest and smallest state according to area

## **PROJECT WORK**

Every student has to compulsorily undertake one project on **Disaster Management**.

**FRENCH (CODE: 018)**

**CLASS – IX**

**(2021-22)**

**Time : 3 hours**

**M. Marks: 80 +20**

**A) Reading Section: 10 marks**

One unseen prose passage (factual/descriptive) (150 words)

**B) Writing Section: 20 marks**

One long composition (Informal letter) 80 words

Two short compositions -: (recipe, message, post card, description of a person with visual input and clues) (30-35 words)

**C) Grammar Section: 30 marks**

Based on the prescribed text book (Lessons 1-12)

Articles, possessive adjectives, demonstrative adjectives, prepositions, verbs (présent, futur proche, futur simple, pronominal verbs, passé composé, impératif, imparfait, passé récent, conditionnel présent), question formation (including interrogative adjectives and pronouns), negatives, personal pronouns, simple relative pronouns

**D) Culture and Civilization: 20 marks**

Question based on text book:

a) Short answer questions 6 x 2 12 marks

b) MCQ (True or false/match the following/  
find the odd one out/ fill in the blanks) 8 marks

(Any 2)

1. L. 1 – La famille
2. L. 2 – Au lycée
3. L. 3 – Une journée de Pauline
4. L. 4 – Les saisons
5. L. 5 – Les voyages
6. L. 6 - Les loisirs et les sports

7. L. 7 – L'argent de poche
8. L. 8 – Faire des achats
9. L. 9 – Un dîner en famille
10. L. 10- La mode
11. L.11 – Les fêtes.
12. L.12 – La Francophonie

**FRENCH (CODE: 018)**  
**CLASS – IX**  
**2021-22**

**The Question Paper will be divided into four sections:**

**Time: 3 Hrs.**

**Maximum Marks :80**

- |                                       |            |
|---------------------------------------|------------|
| Section - A: Reading Comprehension    | - 10 marks |
| Section - B: Writing                  | - 20 marks |
| Section - C: Grammar                  | - 30 marks |
| Section - D: Culture and Civilization | - 20 marks |

**Section wise weightage:**

Section	Details of Topics/Sections	Types of Questions	Marks
Section – A (Understanding)	1 Unseen prose passage (150 words)	Short answer questions  Vocabulary search: Noun and verb forms/opposites/ synonyms/adjectives/ adverbs  True or False - context or theme based	10
Section – B (Creating)	1 Long composition (informal letter – 80 words) Any 2 short compositions (30-35 words): Message/Describing a person/Recipe/Postcard	Creative long answers  Creative short answers	10  05 x 2

Section – C (Application)	Grammar (5 out of 7 questions - for each grammar topic)	Adjectifs possessifs ou Adjectifs démonstratifs	05	_____
		Prépositions		
		ou Articles		
		Trouvez la question ou Négatifs		
			05	_____
		Pronoms (COD, COI, toniques, y, en)	05	_____
		Verbes (Présent, futur simple, impératif, futur proche, passé composé, imparfait, impératif, passé récent, conditionnel présent), verbes pronominaux	05	_____
			05	_____
		Pronoms relatifs simples	05	_____

Section – D (Remembering and analyzing)	Culture and Civilization Lessons 1 – 12	Short answers 5 x 2	10
		MCQ	
		True or False 4 x ½	02
		(Any 2 of the following:) Match the following 8 x ½	04
		Fill in the blanks 8 x ½	04
		Find the odd one out 8 x ½	04
		Total marks	80

# INFORMATION TECHNOLOGY

((Code No. – 402)

SYLLABUS CLASS – IX

Total Marks: 100 (Theory-50 + Practical-50)

	<b>UNITS</b>	<b>MAX. MARKS for Theory and Practical 100</b>
<b>PART A</b>	<b>Employability Skills</b>	<b>10</b>
	Unit 1 : Communication Skills-I	
	Unit 2 : Self-Management Skills-I	
	Unit 3 : ICT Skills-I	
	Unit 4 : Entrepreneurial Skills-I	
	Unit 5 : Green Skills-I	
	<b>TOTAL</b>	<b>10</b>
<b>PART B</b>	<b>Subject Specific Skills</b>	
	Unit 1: Introduction to IT-ITeS industry	4
	Unit 2: Data Entry & Keyboarding Skills	6
	Unit 3: Digital Documentation	10
	Unit 4:Electronic Spreadsheet	10
	Unit 5: Digital Presentation	10
	<b>TOTAL</b>	<b>40</b>
<b>PART C</b>	<b>Practical Work</b>	
	Practical Examination	15
	Written Test	10
	Viva Voce	10
	<b>TOTAL</b>	<b>35</b>
<b>PART D</b>	<b>Project Work</b>	
	Practical File	10
	Viva Voce	05
	<b>TOTAL</b>	<b>15</b>
	<b>GRAND TOTAL</b>	<b>100</b>

## DETAILED CURRICULUM/TOPICS:

### Part-B – SUBJECT SPECIFIC SKILLS

#### UNIT 1: INTRODUCTION TO IT-ITeS INDUSTRY

Introduction to IT and ITeS, BPO services, BPM industry in India, Structure of the IT-BPM industry, Applications of IT in home computing, everyday life, library, workplace, education, entertainment, communication, business, science and engineering, banking, insurance, marketing, health care, IT in the government and public service.



## **UNIT 2: DATA ENTRY AND KEYBOARDING SKILLS**

Keyboarding Skills, Types of keys on keyboard, Numeric keypad, Home keys, Guide keys, Typing and deleting text, Typing ergonomics, Positioning of fingers on the keyboard, Allocation of keys to fingers on four different rows, Pointing device – Mouse, Mouse operations. Introduction to Rapid Typing Tutor, Touch typing technique, User interface of Typing Tutor, Typing text and interpret results, Working with lesson editor, Calculating typing speed, Typing rhythm.

## **UNIT 3: DIGITAL DOCUMENTATION**

Introduction to word processing, Word processing applications, Introduction to Word Processing tool . Creating a document, Parts of a Word Processor Window, Cursor and mouse pointer. Text editing – Undo and Redo, Moving and copying text, Copy and Paste, Selecting text, Selection criteria, Selecting non-consecutive text items, Selecting a vertical block of text, Find and replace option, Jumping to the page number, Non-printing characters, Checking spelling and grammar, Using Synonyms and Thesaurus. Page style dialog, Formatting text – Removing manual formatting, Common text formatting, Changing text case, Superscript and Subscript, Formatting paragraph – Indenting paragraphs, Aligning paragraphs, Font colour, highlighting, and background colour, Using bullets and numbering, Assigning colour, border and background to paragraph . Page formatting – setting up basic page layout using styles, Inserting page break, Creating header/footer and page numbers, Defining borders and backgrounds, Inserting images shapes, special characters in a document, Dividing page into columns, Formatting the shape or image. Creating table in Word Processor, Inserting row and column in a table, Deleting rows and columns, Splitting and merging tables, Deleting a table, Copying a table, Moving a table. Printing options in Word Processor. Print preview, Controlling printing, Printing all pages, single and multiple pages. Concept of mail merge in word processing, Creating a main document, Creating the data source, Entering data in the fields, Merging the data source with main document, Editing individual document, Printing the merged letter, Saving the merged letter.

## **UNIT 4: ELECTRONIC SPREADSHEET**

Introduction to spreadsheet application, • Starting a spreadsheet, • Parts of a spreadsheet • Worksheet – Rows and columns, Cell and cell address, • Range of cell – column range, row range, row and column range. • Different types of data, • Entering data – Label, Values, Formula • Formula, how to enter formula, • Mathematical operators used in formulae, • Simple calculations using values and operators, • Formulae with cell addresses and operators, • Commonly used basic functions in a spreadsheet – SUM, AVERAGE, MAX, MIN, Count • Use of functions to do calculations. Formatting tool, • Use of dialog boxes to format values, • Formatting a range of cells with decimal places, • Formatting a range of cells to be seen as labels, • Formatting of a cell range as scientific, • Formatting a range of cells to display times, • Formatting alignment of a cell range, • Speeding up data entry using the fill handle, • Uses of fill handle to copy formulae • Concept of referencing, • Relative referencing, • Mixed referencing, • Absolute referencing. Importance of chart in spreadsheet, • Types of chart, Example of chart.

## UNIT 5: DIGITAL PRESENTATION

- Concept of presentation, • Elements of presentation, • Characteristics of an effective presentation
- Introduction to presentation software, • Starting a presentation tool, • Parts of a presentation tool window, • Closing the presentation tool, • Creating a presentation using template, • Selecting slide layout, • Saving a presentation, • Running a slide show, • Save a presentation in PDF, • Closing a presentation, • Using Help.
- Inserting a duplicate slide, • Inserting new slides, • Slide layout, Copying and moving slides, • Deleting and renaming slides in presentation, • Copying, moving and deleting contents of slide, • View a presentation, • Controlling the size of the view, • Workspace views – Normal, Outline, Notes, Slide sorter view.
- Formatting toolbar, • Various formatting features, • Text alignment, • Bullets and numbering. • Custom Animation
- Inserting tables in presentation, • Entering and editing data in a table, • Selecting a cell, row, column, table, • Adjusting column width and row height, • Table borders and background
- Inserting an image from a file, • Inserting an image from the gallery, • Formatting images, • Moving images, • Resizing images, • Rotating images, • Formatting using the Image toolbar, • Drawing graphic objects – line, shapes, • Grouping and un-grouping objects
- Slide masters, • Creating the slide masters, • Applying the slide masters to all slide, • Adding transitions.