

**SYLLABUS for CLASS-X (2018-19)**

**ENGLISH**

**PERIODIC TEST: 1**

**Literature:** 1. The Two Gentlemen of Verona  
2. Mrs Packletie's Tiger

**Poetry:** 1. The Frog and the Nightingale  
2. Not Marble, nor Glided

Monuments

**Novel:** The story of my Life (chapter: 1-7)

**Grammar:** 1. Tense  
2. Modals  
3. Use of passive voice

**Writing: Formal letter** (complaints of enquiry based on Main Course Book: (Health and Medicine, Education))

**PERIODIC TEST: 2**

**Literature:** 3. Letter  
4. A Shady Plot

**Poetry :** 3. Ozymandias  
4. The Rime of The Ancient Mariner

**Drama:** 1. The Dear Departed

**Novel:** The story of My Life (Chapter: 8-15)

**Grammar:** 4. Reporting: (commands, request, statement and questions)

5. Clause (Noun, Adverb clause and Relative clause)

**Writing: Formal letter** (Placing order or letter to the editor based on Main Course Book: Science and Education)

**PERIODIC TEST: 3**

**Literature:** 5. Patol Babu  
6. Virtually True

**Poetry :** 5. Snake

**Drama:** 2. Julius Caesar

**Novel:** The story of My Life (Chapter: 16-23)

**Grammar:** 6. Determiners  
7. Prepositions

**Writing: Story writing:** Based on Main Course Book: Tour and Tourism and National Integration

**SECTION-WISE WEIGHTAGE IN ENGLISH COMMUNICATIVE (101)**

SECTION	UNIT	MARKS
A	Reading Skills	20
B	Writing Skills with Grammar	30
C	Literature Text Book and Extended Reading Text	30
	<b>Total</b>	<b>80</b>

**HINDI**

**PERIODIC TEST-1**

क्षितिज2-

पद

पाठ - 1 पद - 3 सवैया एवं कवित्त 4 -

2 राम लक्ष्मण परशुराम संवाद

गद्यखंड-

पाठ - 1 नेताजी का चश्मा - 2 बालगोबिन भगत

कृतिका

पाठ - 1 माता का

अँचल

व्याकरण

पाठ - 1 रचना के आधार पर वाक्य

**PERIODIC TEST-2**

क्षितिज2-

पद

पाठ - 5 उत्साह एवं अट नहीं रही है -6यह

दंतुरित मुसकान एवं फसल - 7 छाया मत छुना

गद्य

खंड-

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पाठ - 4 लखनवी अंदाज 3 - मानवीय करुणा की दिव्य चमक - 5 एक कहानी यह भी कृतिका

पाठ - 2  
जॉर्ज पंचम की नाक - 3 साना साना हाथ जोड़ि-

**व्याकरण**

- वाच्य - 3 पद परिचय-  
- 4 रस

**PERIODIC TEST-3**

क्षितिज-  
पद  
- 8 कन्यादान - 9 संगतकार  
गद्य

खंड-

पाठ - 6  
स्त्री- 7 शिक्षा के विरोधी कुतर्कों का खंडन-  
नौबतखाने में इबादत - 8 संस्कृति

**कृतिका**

पाठ - 4 एही ठैयाँ झुलनी हेरानी हो रामा - 5 मैं क्यों लिखता हूँ

**व्याकरण**

पाठ - 2 वाच्य - 3 रस - 4 पदपरिचय

**हिन्दी पाठ्यक्रम विनिर्देशन (कोड संख्या 002)**

परीक्षा हेतु भार विभाजन				
	विषय वस्तु	उप भार	कुल भार	
1	पठन कौशल गद्यांश व काव्यांश पर शीर्षक का चुनाव, विषय-वस्तु का बोध, भाषिक बिन्दु/संरचना आदि पर अति लघूत्तरात्मक प्रश्न			15
	(अ) एक अपठित गद्यांश (100 से 150 शब्दों के) (1×2=2) (2×3=6)	08		
	(ब) एक अपठित काव्यांश (100 से 150 शब्दों के) (1×3=3) (2×2=4)	07		
2	व्याकरण के लिए निर्धारित विषयों पर विषय-वस्तु का बोध, भाषिक बिन्दु/संरचना आदि पर प्रश्न (1×15=15)			15
	1 रचना के आधार पर वाक्य भेद (3 अंक)	03		
	2 वाच्य (4 अंक)	04		
	3 पद-परिचय (4 अंक)	04		
	4 रस (4 अंक)	04		
3	पाठ्य-पुस्तक क्षितिज भाग-2 व पूरकपाठ्यपुस्तक कृतिका भाग-2			
	(अ) गद्य खण्ड	13		
	1 क्षितिज से निर्धारित पाठों में से गद्यांश के आधार पर विषय-वस्तु का बोध, भाषिक बिन्दु/संरचना आदि पर प्रश्न (2+2+1)	05		
	2 क्षितिज से निर्धारित गद्य पाठों के आधार पर विद्यार्थियों की उच्च चिंतन व मनन क्षमताओं का आकलन करने हेतु प्रश्न (2×4)	08		
	(ब) काव्य खण्ड	13		
	1 काव्यबोध व काव्य पर स्वयं की सोच की परख करने हेतु क्षितिज से निर्धारित कविताओं में से काव्यांश के आधार पर प्रश्न। (2+2+1)	05		
	2 क्षितिज से निर्धारित कविताओं के आधार पर विद्यार्थियों का काव्यबोध परखने हेतु प्रश्न। (2×4)	08		
	(स) पूरक पाठ्यपुस्तक कृतिका भाग-2			
	पूरक पाठ्यपुस्तक 'कृतिका' के निर्धारित पाठों पर आधारित एक मूल्य पूरक प्रश्न पूछा जाएगा। इस प्रश्न का कुल भार पाँच अंक होगा। ये	04		

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		प्रश्न विद्यार्थियों के पाठ पर आधारित मूल्यों के प्रति उनकी संवेदनशीलता को परखने के लिए होगा। (4×1)		
<b>4</b>	<b>लेखन</b>			
	(अ)	विभिन्न विषयों और संदर्भों पर विद्यार्थियों के तर्कसंगत विचार प्रकट करने की क्षमता को परखने के लिए संकेत बिन्दुओं पर आधारित समसामयिक एवं व्यावहारिक जीवन से जुड़े हुए विषयों पर 200 से 250 शब्दों में किसी एक विषय पर निबंध। (10×1)	10	<b>20</b>
	(ब)	अभिव्यक्ति की क्षमता पर केन्द्रित औपचारिक अथवा अनौपचारिक विषयों में से किसी एक विषय पर पत्र। (5×1)	05	
	(स)	विषय से संबंधित 25-25 शब्दों के अंतर्गत विज्ञापन लेखन। (5×1)	05	
<b>कुल</b>				<b>80</b>

**MATHS**

**PERIODIC TEST-1**

Real numbers  
Polynomials  
Pair of linear equations in two variables  
Trigonometry (Values and Identities)

**PERIODIC TEST-2**

Triangles  
Statistics  
Quadratic equation  
A.P.

**PERIODIC TEST-3**

Circle  
Construction  
Height & Distance  
After PT – 3  
Probability  
Co-ordinate Geometry  
Area related to circle  
Surface area and Volume

**Course Structure (Annual Examination)**

UNIT No.	UNIT	MARKS
I	NUMBER SYSTEM	06
II	ALGEBRA	20
III	COORDINATE GEOMETRY	06
IV	GEOMETRY	15
V	TRIGONOMETRY	12
VI	MENSURATION	10
VI	STATISTICS & PROBABILITY	11
<b>Total</b>		<b>80</b>

**UNIT I: NUMBER SYSTEMS**

**1. REAL NUMBERS**

Euclid's division lemma, Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of  $\sqrt{2}$ ,  $\sqrt{3}$ ,  $\sqrt{5}$  Decimal representation of rational numbers in terms of terminating/non-terminating recurring decimals.

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**UNIT II: ALGEBRA**

**1. POLYNOMIALS**

Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials. Statement and simple problems on division algorithm for polynomials with real coefficients.

**2. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES**

Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency.

Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination and by cross multiplication method. Simple situational problems. Simple problems on equations reducible to linear equations.

**3. QUADRATIC EQUATIONS**

Standard form of a quadratic equation  $ax^2 + bx + c = 0$ , ( $a \neq 0$ ). Solutions of quadratic equations (only real roots) by factorization, by completing the square and by using quadratic formula. Relationship between discriminant and nature of roots.

Situational problems based on quadratic equations related to day to day activities to be incorporated.

**4. ARITHMETIC PROGRESSIONS**

Motivation for studying Arithmetic Progression Derivation of the  $n$ th term and sum of the first  $n$  terms of A.P. and their application in solving daily life problems.

**UNIT III: COORDINATE GEOMETRY**

**1. LINES (In two-dimensions)**

Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division). Area of a triangle.

**UNIT IV: GEOMETRY**

**1. TRIANGLES**

Definitions, examples, counter examples of similar triangles.

1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.

2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.

3. (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.

4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.

5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.

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6. (Motivate) If a perpendicular is drawn from the vertex of the right angle of a right triangle to the hypotenuse, the triangles on each side of the perpendicular are similar to the whole triangle and to each other.
7. (Prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides.
8. (Prove) In a right triangle, the square on the hypotenuse is equal to the sum of the squares on the other two sides.
9. (Prove) In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angles opposite to the first side is a right angle.

**2. CIRCLES**

Tangent to a circle at, point of contact

1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact.
2. (Prove) The lengths of tangents drawn from an external point to a circle are equal.

**3. CONSTRUCTIONS**

1. Division of a line segment in a given ratio (internally).
2. Tangents to a circle from a point outside it.
3. Construction of a triangle similar to a given triangle.

**UNIT V: TRIGONOMETRY**

**1. INTRODUCTION TO TRIGONOMETRY**

Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); motivate the ratios whichever are defined at  $0^\circ$  and  $90^\circ$ . Values (with proofs) of the trigonometric ratios of  $30^\circ$ ,  $45^\circ$  and  $60^\circ$ . Relationships between the ratios.

**2. TRIGONOMETRIC IDENTITIES**

Proof and applications of the identity  $\sin^2 A + \cos^2 A = 1$ . Only simple identities to be given. Trigonometric ratios of complementary angles.

- 3. HEIGHTS AND DISTANCES:** Angle of elevation, Angle of Depression. Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ .

**UNIT VI: MENSURATION**

**1. AREAS RELATED TO CIRCLES**

Motivate the area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of  $60^\circ$ ,  $90^\circ$  and  $120^\circ$  only. Plane figures involving triangles, simple quadrilaterals and circle should be taken.)

**2. SURFACE AREAS AND VOLUMES**

1. Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone.

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2. Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken).

**UNIT VII: STATISTICS AND PROBABILITY**

**1. STATISTICS**

Mean, median and mode of grouped data (bimodal situation to be avoided).  
Cumulative frequency graph.

**2. PROBABILITY**

Classical definition of probability. Simple problems on single events (not using set notation).

**SCIENCE**

**PHYSICS**

**Periodic Test-I**

Chapter-12: ---Electricity

**Periodic Test-II**

Chapter-13---Magnetic Effect of Electric Current

Chapter-14---Sources of Energy

**Periodic Test-III**

Chapter-10- Light-Reflection and Refraction

**Annual Examination**

Chapter-11-Human Eye and Colourful World

**CHEMISTRY**

**Periodic Test – I**

Chapter-1-Chemical Reactions and Equations

**Periodic Test – II**

Chapter-2-Acids, Bases and Salts

Chapter-3-Metals and Non-metals [Physical properties of metal and non-metal]

**Periodic Test – III**

Chapter-3-Metals and Non-metals [Chemical properties and extraction

Chapter-4-Carbon and Its Compounds

**BIOLOGY**

**Periodic Test- I**

Lesson 6- Life processes

**Periodic Test- II**

Lesson 7- Control and Coordination

Lesson 8- How do Organisms Reproduce?

**Periodic Test- III**

Lesson 9- Heredity and Evolution

Lesson 15- Our Environment

**Note: Annual syllabus will be entire syllabus of the book.**

**Theme : Materials**

**Unit I : Chemical Substances - Nature and Behaviour**

**Chemical reactions** : Chemical equation, Balanced chemical equation, implication of a balanced chemical equation, types of chemical reactions : Combination, decomposition, displacement, double displacement, precipitation, neutralization, oxidation and reduction.

**Acids, bases and salts** : Their definitions in terms of furnishing of H<sup>+</sup> and OH<sup>-</sup> ions, General properties, examples and uses, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

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**Metals and nonmetals** : Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention.

**Carbon compounds** : Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series. Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydrocarbons and unsaturated hydrocarbons. Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.

**Periodic classification of elements** : Need for classification, Early attempts at classification of elements (Dobereiner's Triads, Newland's Law of Octaves, Mendeleev's Periodic Table), Modern periodic table, gradation in properties, valency, atomic number, metallic and non-metallic properties.

**Theme : The World of the Living**

**Unit II : World of Living**

**Life processes** : 'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plants and animals.

**Control and co-ordination in animals and plants** : Topic movements in plants; Introduction of plant hormones; Control and co-ordination in animals; Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.

**Reproduction** : Reproduction in animals and plants (asexual and sexual) reproductive health-need and methods of family planning. Safe sex vs HIV / AIDS. Child bearing and women's health.

**Heredity and Evolution** : Heredity; Mendel's contribution - Laws for inheritance of traits : Sex determination : brief introduction; Basic concepts of evolution.

**Theme : Natural Phenomena**

**Unit III : 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.

**Theme : How Things Work**

**Unit IV : Effects of Current**

Electric current, potential difference and electric current. Ohm's law; Resistance, resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.

**Magnetic effects of current** : Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagnetic induction. Induced potential difference, Induced current. Fleming's Right Hand Rule, Electric Generator, Direct Current. Alternating current : frequency of AC. Advantage of AC over DC. Domestic electric circuits.

**SYLLABUS for CLASS-X (2018-19)****Theme : Natural Resources****Unit V : Natural Resources**

**Sources of energy :** Different forms of energy, conventional and non-conventional sources of energy : Fossil fuels, solar energy; biogas; wind, water and tidal energy; Nuclear energy. Renewable versus non-renewable sources of Energy.

**Out environment :** Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.

**Management of natural resources :** Conservation and judicious use of natural resources. Forest and wild life; Coal and Petroleum conservation. Examples of people's participation for conservation of natural resources. Big dams: advantages and limitations; alternatives, if any. Water harvesting. Sustainability of natural resources.

**Course Structure (Annual Examination)**

UNIT No.	UNIT	MARKS
Unit I	Chemical Substances : Nature and Behaviour	25
Unit II	World of Living	23
Unit III	Natural Phenomena	12
Unit IV	Effects of Current	13
Unit V	Natural Resources	07
	<b>Total</b>	<b>80</b>
	<i>Internal Assessment</i>	20
	<b>Grand Total</b>	<b>100</b>

**NOTE :** Above weightage includes the weightage of questions based on practical skills.

**SOCIAL SCIENCE****PERIODIC TEST-1**

1. The Nationalist movement in Indo-China
2. Power sharing
3. Federalism
4. Resources and development
5. Water resources
6. Development

**PERIODIC TEST-2**

1. Nationalism in India
2. Democracy and diversity
3. Gender, religion and caste
4. Agriculture (content of page no. 44-47 of NCERT Textbook has been deleted)
5. Sectors of Indian Economy
6. Money and credit

**PERIODIC TEST-3**

1. The Age of industrialization
2. Popular struggles and movements ( to be done as project work only and will not be evaluated in theory)



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3. Political parties
4. Minerals and energy resources
5. Manufacturing industries (content mentioned on page no. 74-75 has been deleted)
6. Globalisation and the Indian Economy
7. Consumer Rights

**ANNUAL EXAMINATION**

1. Print Culture and the Modern World
2. Outcomes of Democracy
3. Challenges to Democracy
4. Lifelines of Indian Economy  
(Including syllabus of PT-1, PT-2 & PT-3)

**DISASTER MANAGEMENT (After completion of main syllabus)**

1. Tsunami
2. Safe construction practices
3. Survival skills
4. Alternative communication system during disasters
5. Sharing responsibilities

**NOTE: The above mentioned syllabus is subject to change under certain circumstances**

List of map items for social science

History- outline political map of India

Nationalism in India (1918-30) (For locating and labelling/identification)

- Indian national congress sessions:  
Calcutta (Sep. 1920)  
Nagpur (Dec. 1920)  
Madras (1927)  
Lahore (1929)
- Important centres of Indian national movement (Non-cooperation and Civil Disobedience Movement):  
Champaran (Bihar)- movement of indigo planters  
Kheda (Gujarat)-peasant satyagraha  
Ahmedabad (Gujarat)- cotton mill workers satyagraha  
Amritsar (Punjab)-JallianwalaBagh incident  
ChauriChaura (U.P.)- calling of the Non-Cooperation Movement  
Dandi (Gujarat)- Civil Disobedience Movement

Geography- outline political map of India

Resources and development

- Identification only: major soil types

Water resources (Locating and Labelling)

- Dams:

Salal	RanaPratapSagar	NagarjunaSagar
BhakraNangal	SardarSarovar	Tungabhadra (along with rivers)
Tehri	Hirakud	

Agriculture (identification only)

- Major areas of rice and wheat

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- Largest/major producer states of sugarcane, tea, coffee, rubber, cotton and jute

Mineral and energy resources (Identification only)

- Iron ore mines: Durg Bellary  
Mayurbhanj Bailadila Kudremukh
- Mica mines: Beawar Gaya  
Ajmer Nellore Hazaribagh
- Coal mines: Bokaro Singrauli  
Raniganj Talcher Singareni  
Jharia Korba Neyveli
- Oil fields: Mumbai High Ankaleshwar  
Digboi Bassien  
Naharkatia Kalol
- Bauxite mines: Maikal hills  
The Amarkantak plateau The platea region of Bilaspur-Katni  
Orissa Panchpatmali deposits in Koraput district
- Mica mines: Ajmer  
The Chota Nagpur plateau Nellore mica belt  
Koderma Gaya-Hazaribagh belt of Jharkhand
- Power plants (Locating and Labelling only)  
Thermal: Uran Rawatbhata  
Namrup Ramagundam Kakrapara  
Talcher Vijaywada Tarapur  
Singrauli Tuticorin Kaiga  
Harduaganj Nuclear:  
Korba Narora

Kalpakkam

Manufacturing industries (Locating and Labelling only)

- Cotton textile industries: Madurai  
Mumbai Surat  
Indore Kanpur  
Ahmedabad Coimbatore
- Iron and steel plants: Vishakhapatnam  
Burnpur Raurkela  
Durgapur Bhilai Salem  
Bokaro Vijaynagar  
Jamshedpur Bhadravati
- Software technology parks: Bangalore  
Mohali Mumbai  
Noida Kolkata  
Jaipur Pune  
Gandhinagar Bhubaneshwar  
Indore Hyderabad  
Vishakhapatam

Lifelines of national economy (Identification only)

**SYLLABUS for CLASS-X (2018-19)**

- Golden Quadrilateral, North-South Corridor, East-West Corridor
- National Highways: NH-1, NH-2, NH-7
- Major ports: (Locating and labelling)
 

Kandla	New Mangalore	Vishakhapatnam
Mumbai	Kochi	Paradip
JawaharLal Nehru	Tuticorin	Haldia
Marmagao	Chennai	Kolkata
- International Airports:
  - Amritsar (Raja Sansi)
  - Delhi (Indira Gandhi International)
  - Mumbai (ChhatrapatiShivaji)
  - Thiruvananthapuram (Nedimbacherry)
  - Chennai (MeenamBakkam)
  - Kolkata (NetajiSubhash Chandra Bose)
  - Hyderabad (Rajiv Gandhi)

**Note : Items of Locating and Labelling may be given for identification.**

**Course Structure (Annual Examination)**

UNIT No.	UNIT	MARKS
Unit I	India and the Contemporary World – II	20
Unit II	Contemporary India - II	20
Unit III	Democratic Politics II	20
Unit IV	Understanding Economic Development	20
	<b>Total</b>	<b>80</b>

**I.T. (402)**

**Periodic Test – I**

- Unit 1 - Functional English
- Unit 2 - Web application
- Unit 3 - Word processing

**Periodic Test – II**

- Unit 4 - Spreadsheet
- Unit 5 - Digital Presentation

**Periodic Test – III**

- Unit 6 - E-mail messaging
- Unit 7 - Database development
- Societal impacts of IT

**Annual Examination**

- Functional English
- **PT1 +PT2 +PT3**

**SYLLABUS for CLASS-X (2018-19)**

**COURSE STRUCTURE (Annual Examination)**

**Theory : 50 Marks**

**Practical : 50 Marks**

<b>Theory</b>	<b>Unit Name</b>	<b>Marks</b>	<b>Practical Work</b>	<b>Marks</b>
Unit 1	Functional English(Intermediate)	8	Practical Examination	15
Unit 2	Web Applications( Basics)	8	Written Test	10
Unit 3	Word Processing (Intermediate )	8	Viva Voce	10
Unit 4	Spreadsheet (Intermediate)	8	Practical File/ Student Portfolio	10
Unit 5	Digital Presentation (Intermediate)	6	Viva Voce	5
Unit 6	E Mail Messaging (Intermediate )	4		
Unit 7	Data base development (Basics)	8		
	<b>Total</b>	<b>50</b>	<b>Total</b>	<b>50</b>

**NOTE: The above mentioned syllabus is subject to change under certain circumstances.**