



PIONEERING EDUCATION
★ SINCE 1992 ★

RAHUL INTERNATIONAL SCHOOL

CURRICULUM OVERVIEW
GRADE-X
A.Y. 2022-23

SCHOOL COPY

Dear Parents and Guardians,

It is my great pleasure to extend to you a very warm welcome to Rahul International School (RIS). This Curriculum Guide provides information about the curriculum, our approach to teaching and learning in grade 10.

At RIS we are a proud National /International Curriculum school that is committed to excellence in education and to the spirit of international education. In line with our mission statement, our three key focal areas as a school are academic rigour, holistic development of students and the development of internationally minded students. In addition to this we are proud to be a truly inclusive school, supporting and developing students regardless of their background or ability level. Overall, our aim is to develop a caring school community fostering respect for individual and cultural diversity, living and breathing the School Vision attitudes and the Learner Profile attributes of our school. Our nurturing grade one staff members provide an atmosphere in which life-long learners develop in a safe and secure environment. Students are encouraged to take risks and to share their ideas, thoughts, and use problem-solving strategies during a wide-range of learning activities. We are committed to providing a variety of learning opportunities and experiences that are based on the interests, strengths, and needs of our students, and in laying the foundation for success in learning. As a school, we truly focus on helping the whole child to grow, focusing on physical, social, emotional, cognitive and linguistic development.

I look forward to seeing and meeting you in the school throughout the year. I would also like to take this opportunity to wish you and your child a happy, productive and fun time in our school in the year ahead.

Best regards,

Principal

Rahul International School

Vision: “ A culturally diverse skill –oriented international school where children can achieve the skills of Global Citizenship, leadership, communication , Emotional intelligence , entrepreneurship , problem solving and team working for future preparedness”

Mission: “To empower children to unfold their potentials as whole and unique persons, and through them create a peaceful world community through Quality education”

Core Values: Achievement | Collaboration |Innovation| Integrity | Respect | Responsibility

Our Motto: Towards Excellence



CENTRAL BOARD OF SECONDARY EDUCATION

CBSE CURRICULUM

The curriculum refers to the lessons and educational content to be taught to a learner in a school. In empirical terms, it may be regarded as the sum total of a planned set of educational experiences provided to a learner by a school. It encompasses general objectives of learning, competencies to be attained, courses of study, subject-wise learning outcomes and content, pedagogical practices and assessment guidelines. The curriculum provided by CBSE is based on National Curriculum Framework-2005 and seeks to provide opportunities for students to achieve excellence in learning.

Salient Features of the CBSE Secondary School Curriculum

The Curriculum prescribed by CBSE strives to:

1. provide ample scope for physical, intellectual and social development of students;
2. enlist general and specific teaching and assessment objectives;
3. uphold Constitutional values such as Socialism, Secularism, Democracy, Republican Character, Justice, Liberty, Equality, Fraternity, Human Dignity of Individual and the Unity and integrity of the Nation by encouraging values-based learning activities;
4. nurture Life-Skills by prescribing curricular and co-curricular activities to help improve self-esteem, empathy towards others and different cultures etc.;
5. integrate innovations in pedagogy, knowledge and application, such as human sciences with technological innovations to keep pace with the global trends in various disciplines;
6. promote inclusive education by providing equal opportunities to all students;
7. integrate environmental education in various disciplines from classes I-XII;
8. equally emphasize Co-scholastic areas of Art Education and Health and Physical Education.

1.2 Objectives of the Curriculum

The Curriculum aims to:

1. Achieve cognitive, affective and psychomotor excellence;
2. Enhance self-awareness and explore innate potential;
3. Promote Life Skills, goal setting, and lifelong learning;
4. Inculcate values and foster cultural learning and international understanding in an inter dependent society;
5. Acquire the ability to utilize technology and information for the betterment of humankind;
6. Strengthen knowledge and attitude related to livelihood skills;
7. Develop the ability to appreciate art and show case talents;
8. Promote physical fitness, health and well

SUBJECTS OFFERED AT RIS: GRADE 10

SUBJECTS	CODE
ENGLISH LANGUAGE AND LITERATURE	184
SCIENCE	086
MATHS	041
SOCIAL SCIENCE	087
HINDI	086
INFORMATION TECHNOLOGY	402

ENGLISH LANGUAGE AND LITERATURE (CODE NO.:184)

PERIODIC ASSESSMENT

Book: First Flight

SR. NO	Topic
1)	The letter to God
2)	Dust of snow(poem)
3)	Fire and ice (poem)
4)	Two stories about flying
5)	From the dairy of Anne frank
6)	Nelson Mandela : Long walk to freedom

Book: Footprints without feet

SR. NO	Topic
1)	The triumph of surgery
2)	The thief's story
3)	The midnight visitor

Reading Comprehension

Serial Number	Topic
1)	Factual passage

Creative writing

Serial Number	Topic
1)	Story Narration
2)	Formal letter (placing order)
3)	Formal letter writing (placing an inquiry)

Grammar

SR. NO	Topic
1)	Tenses
2)	Modals
3)	Use of active passive

TERM - 1**Book: First Flight**

SR . NO	Topic
1)	Portion of periodic assessment
2)	A tiger in the zoo (Poem)
3)	The hundred dresses
4)	The hundred dresses - II
5)	How to tell wild animals(poem)
6)	Glimpses of India
7)	Mijbil the other
8)	the ball poem
9)	Amanda

Book: Footprint without feet

SR . NO	Topic
1)	Portion of periodic assessment
2)	A question of trust
3)	Footprint without feet
4)	The necklace
5)	The making of scientists

Reading Comprehension

SR . NO	Topic
1)	Portion of periodic assessment
2)	Discursive passage

Creative writing

SR . NO	Topic
1)	Article writing
2)	Letter to an editor

Grammar

SR . NO	Topic
1)	Subject very concord
2)	Clauses
3)	Determiners
4)	Preposition
5)	Conjunctions

PREBOARDS

Book: First Flight

SR .NO	Topic
1)	<i>Portion for Term 1 and periodic assessment 1</i>
2)	Madame rides the Bus
3)	The sermon of Benaras
4)	The proposal
5)	The animal (poem)
6)	The tree(poem)
7)	Fog (poem)
8)	The tale of Custard the Dragon
9)	For Anne Gregory

Book: Footprint without feet

SR . NO	Topic
1)	<i>Portion for term 1 and periodic assessment 1</i>
2)	The hack driver
3)	Bholi
4)	The book that saved the earth

Reading Comprehension

SR . NO	Topic
1)	<i>Portion of periodic assessment and term 1</i>

Creative writing

SR . NO	Topic
1)	<i>Portion of periodic assessment and term 1</i>
2)	Short story writing

Grammar

SR . NO	Topic
1)	<i>Portion of periodic assessment and term 1</i>
2)	Conjunctions
3)	Editing and omission
4)	Sentence reordering and transformation

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Reading : Factual passage and Discursive passage	19
2	<p>Writing and grammar: Writing: Formal letter to an editor, filing a complaint, inquiry, placing order, article, short story writing</p> <p>Grammar: 1) Tenses 2) Modals 3) Subject - verb concord 4) Reporting 5) Clauses 6) Determiners 7) Preposition 8) Articles 9) Conjunctions 10) Editing and omission 11) Sentence recording and sentence transformation</p>	40
3.1	<p>Literature Supplementary reader: Footprints without feet 1) A triumph of surgery 2) The thief's story 3) The mid night visitor 4) A question of trust 5) Foot prints without feet 6) The meaning of a scientist 7) The necklace 8) The hack driver 9) Bholi 10) The book that saved the earth</p>	

3.2	<p>Literature</p> <p>Book 1: First flight (PROSE)</p> <ol style="list-style-type: none"> 1)A letter to God 2)Nelson Mandela : a long walk to freedom 3)Two stories about flying 4)From the diary of Anne frank 5) The hundred dresses - 1 6) The hundred dresses -2 7)Glimpse of India 8)Mijbil the other 9)Madam Rides the Bus 10)The proposal 11) The sermons of Benares <p>(POEM)</p> <ol style="list-style-type: none"> 1) Dust of snow 2)Fire and ice 3) A tiger in the zoo 4)How to tell wild animals 5)The ball pen 6)Amanda 7)Animals 8)The trees 9)Fog 10)The tale of custard the dragon 11) For Anne Gregory 	31
-----	--	----

ENGLISH SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available	Topic
APRIL	I	4 to 9	4	Factual passage (1) A letter to god (1) Story Narration (1) Tenses (1)
	II	11 to 16	4	Factual passage (2) Tenses (2)
	III	18 to 23	4	Factual passage (1) Dust of snow (1) Story narration (1) Modals (1)
	IV	25 to 30	4	From the dairy of Anne frank (1) Modals (1) Formal letter(complaint) (1) The triumph of surgery (SR) (1)
MAY	I	2 TO 7	4	Factual passage (1) Fire and ice (1) Use of passive voice(1) Formal letter (placing order)(1)
	II	9 TO 14	4	Factual passage (1) The thief's story(SR) (1) Use of passive voice (1) Formal letter (placing inquiry)(1)
JUNE	I	1 TO 4	2	Nelson Mandela : Long walk to freedom (2)
	II	6 TO 11	4	Factual passage (1) The midnight visitor(SR) (1) Use of active passive (1) Formal letter writing (placing an inquiry)(1)
	III	13 TO 18	4	Factual passage (1) Two stories about flying (1) Subject verb concord (1)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	7	TEST - I

JULY	I	4 TO 9	4	Discursive passage(1) Formal letter : letter to editor (1) subject very concord (1) A question of trust (SR)1
	II	11 TO 16	4	Discursive passage (1) A tiger in the zoo (1) subject verb concord (1) Letter to editor (1)
	III	18 TO 23	4	The hundred dresses (1) Clauses (2) Footprint without feet (1)
				Control and coordination (2)
	IV	25 TO 30	4	Discursive passage(1) The hundred dresses - II (1) How to tell wild animals (1) clauses (1)
AUGUST	I	1 TO 6	4	Glimpses of India (1) determiners (1) The making of scientists (1) Article writing (1)
	II	8 TO 13	4	Mijbil the other (1) Article writing (1) Determiners (2)
	III	15 TO 20	3	Preposition (2) Articles (1)
	IV	22 TO 27	4	Discursive passage(1) The necklace(SR) (1) Preposition (1) Articles (1)
	V	29 TO 31	2	the ball poem (1) Amanda (1)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	4	Discursive passage(1) Conjunctions (3)
	III	12 TO 17	8	REVISION SESSION

	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	4	Discursive passage (1) Madame rides the Bus (1) Editing and omission (2)
	II	10 TO 15	4	The Sermon at Benares (1) editing and omission (1) The hack driver (SR) (1) Short story writing (1)
	III	17 TO 22	4	Discursive passage (1) Editing and omission (1) Short story writing (1) animals (SR)(1)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	4	The tale of custard the dragon (1) Bholi SR(1) Short story writing (1) sentence reordering and transformation (1)
	II	7 TO 12	4	Discursive passage (1) For Anne Gregory(1) The book that saved the earth (1) The trees (SR) (1)
	III	14 TO 19	4	The fog (1) Discursive passage (3)
	IV	21 TO 26	8	REVISION SESSION
	V	28 TO 30	4	Revision session
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			126	

विषय: हिन्दी

कोड नंबर:- 085

PERIODIC ASSESSMENT	
पुस्तक- स्पर्श	
क्रमिक संख्या	विषय
1)	कबीर - साखी
2)	मीरा - पद
3)	सीताराम सेकसरिया - डायरी का एक पत्रा
4)	लीलाधर मंडलोई - ततारा-वामीरो कथा
5)	बिहारी - दोहे
पुस्तक- संचयन	
1)	मिथिलेश्वर - हरी काका
व्याकरण	
क्रमिक संख्या	विषय
1)	पद बंध
2)	रचना के आधार पर वाक्य रूपांतरण
3)	मुहावरे
रचनात्मक लेखन	
क्रमिक संख्या	विषय
1)	अनुच्छेद लेखन
2)	संवाद लेखन

TERM- 1**पुस्तक- स्पर्श**

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन का भाग
2)	प्रेमचंद - बड़े भाई साहब
3)	मैथिलीशरण गुप्त - मनुष्यता
4)	सुमित्रानंदन - पर्वत प्रदेश में पावस
5)	प्रहलाद अग्रवाल - तीसरी कसम के शिल्पकार शैलेंद्र
6)	महादेवी वर्मा - मधुर मधुर मेरे दीपक जल
7)	अंतोन चेखव - गिरगिट

पुस्तक- संचयन

1)	आवधिक मूल्यांकन का भाग
2)	गुरदास सिंह - सपनों के से दिन

व्याकरण

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन का भाग
2)	अपठित गद्यांश , अपठित काव्यांश
3)	रचना के आधार पर वाक्य रूपांतरण
4)	अशुद्धि शोधन

रचनात्मक लेखन

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन का भाग
2)	विज्ञापन लेखन
3)	सूचना लेखन

PREBOARD**पुस्तक- स्पर्श**

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन और अवधि -1का भाग
2)	रविंद्र नाथ ठाकुर - आत्मत्राण
3)	निदा फ़ाज़ली - अब कहां दूसरे के दुख से दुखी होने वाले
4)	वीरेन डंगवाल - तोप
5)	कैफी आज़मी - कर चले हम फिदा
6)	रविंद्र केलेकर - पतझड़ में टूटी पत्तियां १. गिन्नी का सोना २. झेन की देन
7)	हबीब तनवीर - कारतूस

पुस्तक- संचयन

1)	आवधिक मूल्यांकन और अवधि -1का भाग
2)	राही मासूम रजा - टोपी शुक्ला

व्याकरण

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन और अवधि -1का भाग
2)	समास

रचनात्मक लेखन

क्रमिक संख्या	विषय
1)	आवधिक मूल्यांकन और अवधि -1का भाग
2)	लघु कथा लेखन
3)	पत्र लेखन
4)	संवाद लेखन

TOPIC WISE PERIODS

Ln. No.	Topic	Theory
1	पद्य खंड	21
2	गद्य खंड	44
5	अपठित गद्यांश	4
6	व्याकरण	17
7	रचनात्मक लेखन	12

MONTH	Week	Dates	No. of Periods Available	Topic
APRIL	I	4 to 9	4	कबीर - साखी (3) मीरा - पद (1)
	II	11 to 16	4	मीरा - पद (2), पद बंध (2)
	III	18 to 23	4	पद बंध (2), मिथिलेश्वर - हरी काका (2)
	IV	25 to 30	4	मिथिलेश्वर - हरी काका (2), अनुच्छेद लेखन(2)
MAY	I	2 TO 7	4	रचना के आधार पर वाक्य रूपांतरण(2), सीताराम सेकसरिया - डायरी का एक पन्ना (2)
	II	9 TO 14	4	सीताराम सेकसरिया - डायरी का एक पन्ना (2)मुहावरे(2)
JUNE	I	1 TO 4	2	मुहावरे(2)
	II	6 TO 11	2	संवाद लेखन(1), लीलाधर मंडलोई - ततांरा-वामीरो कथा (1)
	III	13 TO 18	4	लीलाधर मंडलोई - ततांरा-वामीरो कथा (2), बिहारी - दोहे (2)
	IV	20 TO 22	3	REVISION SESSION
	V	23TO 30	7	TEST - I
JULY	I	4 TO 9	4	विज्ञापन लेखन(2), प्रेमचंद - बड़े भाई साहब (2)

	II	11 TO 16	4	प्रेमचंद - बड़े भाई साहब (2), सूचना लेखन(2)
	III	18 TO 23	4	मैथिलीशरण गुप्त - मनुष्यता(2), अपठित गद्यांश(2)
	IV	25 TO 30	4	रचना के आधार पर वाक्य रूपांतरण(2), अपठित काव्यांश(2)
AUGUST	I	1 TO 6	2	सुमित्रानंदन - पर्वत प्रदेश में पावस(2), प्रहलाद अग्रवाल - तीसरी कसम के शिल्पकार शैलेंद्र (2)
	II	8 TO 13	4	प्रहलाद अग्रवाल - तीसरी कसम के शिल्पकार शैलेंद्र (4)
	III	15 TO 20	3	अशुद्धि शोधन(3)
	IV	22 TO 27	4	गुरदास सिंह - सपनों के से दिन (4)
	V	29 TO 31	2	महादेवी वर्मा - मधुर मधुर मेरे दीपक जल (2)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	4	अंतोन चेखव - गिरगिट (4)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	4	रविंद्र नाथ ठाकुर - आत्मत्राण (2), समास(2)
	II	10 TO 15	4	राही मासूम रजा - टोपी शुक्ला(4)
	III	17 TO 22	4	निदा फ़ाज़ली - अब कहां दूसरे के दुख से दुखी होने वाले (4)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	4	वीरेन डंगवाल - तोप (3), संवाद लेखन(1)
	II	7 TO 12	4	पत्र लेखन(2), कैफी आजमी - कर चले हम फिदा(2)

	III	14 TO 19	4	रविंद्र केलेकर - पतझड़ में टूटी पत्तियां १. गिन्नी का सोना (2_ २. झेन की देन (2)
	IV	21 TO 26	4	लघु कथा लेखन(2), हबीब तनवीर - कारतूस(2)
	V	28 TO 30	4	REVISION SESSION
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			117	

SUBJECT: SCIENCE

(CODE NO.:086)

PHYSICS	
PERIODIC ASSESSMENT	
SR. NO.	Topic
1)	UNIT 4: Effects of current Effects of current Magnetic effect of current
TERM : 1	
1)	Portion of periodic assessment
2)	UNIT 3 : Natural Phenomena Natural Phenomena
PREBOARDS	
1)	Portion of periodic assessment and term 1
2)	UNIT 5: Natural resources Sources of energy Our environment Management of natural resources

CHEMISTRY**PERIODIC ASSESSMENT**

SR . NO	Topic
1)	UNIT 1: Chemical substances – Nature and Behaviour Chemical reaction
TERM 1	
1)	UNIT 1 : Chemical substances- Nature and Behaviour Portion of periodic assessment Acids , basis and salts Metals and non metals
PREBOARDS	
1)	UNIT 1 : Chemical Substance – Nature and Behaviour Portion of periodic assessment and term 1 Carbon compound Periodic classification of elements

BIOLOGY**PERIODIC ASSESSMENT**

SR. NO	Topic
1)	UNIT 2: World of living Life processes
TERM -1	
1)	UNIT 2: World of living Control and Coordination in animals and plants
PREBOARDS	
1)	Portion of periodic assessment and term 1
2)	UNIT 2: World of living Reproduction Heredity and Evolution

Practical should be conducted alongside the concepts taught in theory classes

LIST OF EXPERIMENTS

1. A. Finding 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
 - (vi) Dilute Hydrogen Carbonate solutionB. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:
 - a) Litmus solution (Blue/Red)
 - b) Zinc metal
 - c) Solid sodium carbonate
2. Performing and observing the following reactions and classifying them into:
 - A. Combination reaction
 - B. Decomposition reaction
 - C. Displacement reaction
 - D. Double displacement reaction
 - (i) Action of water on quicklime
 - (ii) Action of heat on ferrous sulphate crystals
 - (iii) Iron nails kept in copper sulphate solution
 - (iv) Reaction between sodium sulphate and barium chloride solutions
3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:
 - i) $\text{ZnSO}_4(\text{aq})$
 - ii) $\text{FeSO}_4(\text{aq})$
 - iii) $\text{CuSO}_4(\text{aq})$
 - iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

passing through it and determine its resistance. Also plotting a graph between V and I.

5. Determination of the equivalent resistance of two resistors when connected in series and parallel.
6. Preparing a temporary mount of a leaf peel to show stomata.
7. Experimentally show that carbon dioxide is given out during respiration.
8. Study of the following properties of acetic acid (ethanoic acid):
 - i) odour
 - ii) solubility in water
 - iii) effect on litmus
 - iv) reaction with Sodium Hydrogen Carbonate
9. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
10. Determination of the focal length of:
 - i) Concave mirror

TOPIC WISE PERIODS		
Ln. No.	Topic	No. of Periods
1	Chemical substances: nature and behavior i) Chemical reactions ii) Acids, bases and salts iii) Metals and non metals iv) Carbon compounds v) Periodic classification of elements	46
2	The world of living i) life processes ii) control and coordination In animals and plants iii) reproduction iv) Heredity and Evolution	48
3	Natural phenomenon	8
4	How things work i) Effects of current ii) Magnetic effects of current	9

5	Natural resources i) Sources of energy ii) Management of natural resources iii) Our environment	10
	Total	121

- i) Convex lens
by obtaining the image of a distant object.
- 11 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.
 - 12 Studying (a) binary fission in *Amoeba*, and (b) budding in yeast and Hydra with the help of prepared slides.
 - 13 Tracing the path of the rays of light through a glass prism.
 - 14 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.
 - 15 Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

PHYSICS SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available	Topic
APRIL	I	4 to 9	1	Effect of current (1)
	II	11 to 16	1	Effects of current (1)
	III	18 to 23	1	Effect of current (1)
	IV	25 to 30	1	Effect of current (1)
MAY	I	2 TO 7	1	Effect of current (1)
	II	9 TO 14	1	Magnetic effect of current (1)
JUNE	I	1 TO 4	1	Magnetic effect of current (1)
	II	6 TO 11	1	Magnetic effect of current (1)
	III	13 TO 18	1	Magnetic effect of current (1)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	7	TEST - I
	JULY	I	4 TO 9	1
II		11 TO 16	1	Natural Phenomena (1)
III		18 TO 23	1	Natural Phenomena (1)
IV		25 TO 30	1	Natural Phenomena (1)
AUGUST	I	1 TO 6	1	Natural Phenomena (1)
	II	8 TO 13	1	Natural phenomena (1)
	III	15 TO 20	1	Natural Phenomena (1)
	IV	22 TO 27	1	Natural phenomena (1)
	V	29 TO 31	1	Sources of energy (1)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	1	Sources of energy (1)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1

	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	1	Sources of energy(1)
	II	10 TO 15	1	Sources of energy (1)
	III	17 TO 22	1	Our environment(1)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	1	Our environment (1)
	II	7 TO 12	1	Our environment (1)
	III	14 TO 19	1	Management of natural resources (1)
	IV	21 TO 26	1	Management of natural resources (1)
	V	28 TO 30	1	Management of natural resources (1)
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			46	

CHEMISTRY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available	Topic
APRIL	I	4 to 9	1	Chemical reactions (1)
	II	11 to 16	1	Chemical reactions (1)
	III	18 to 23	1	Chemical reactions (1)
	IV	25 to 30	1	Chemical reactions (1)
MAY	I	2 TO 7	1	Chemical reactions (1)
	II	9 TO 14	1	Acids , basis and salts (1)
JUNE	I	1 TO 4	1	Acids , basis and salts (1)
	II	6 TO 11	1	Acids , basis and salts (1)
	III	13 TO 18	1	Acids , basis and salts (1)
	IV	20 TO 22	3	REVISION SESSION
	V	23TO 30	7	TEST - I
JULY	I	4 TO 9	1	Acids , basis and salts (1)
	II	11 TO 16	1	Acids , basis and salts (1)
	III	18 TO 23	1	Acids , basis and salts (1)
	IV	25 TO 30	1	Metals and non metals
AUGUST	I	1 TO 6	1	Metals and non metals
	II	8 TO 13	1	metals and non metals
	III	15 TO 20	1	Metals and non metals
	IV	22 TO 27	1	Metals and non metals
	V	29 TO 31	1	Carbon compounds
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	1	Carbon compounds
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1

	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	1	Carbon compounds
	II	10 TO 15	1	Carbon compounds
	III	17 TO 22	1	Carbon compounds
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	1	Periodic classification of elements
	II	7 TO 12	1	Periodic classification of elements
	III	14 TO 19	1	Periodic classification of elements
	IV	21 TO 26	1	Periodic classification of elements
	V	28 TO 30	1	Periodic classification of elements
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			46	

BIOLOGY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of hours Available	Topic
APRIL	I	4 to 9	1	life processes (1)
	II	11 to 16	1	life processes (1)
	III	18 to 23	1	Life processes (1)
	IV	25 to 30	1	life processes (1)
MAY	I	2 TO 7	1	life processes (1)
	II	9 TO 14	1	Life process (1)
JUNE	I	1 TO 4	1	Control and coordination in animals and plants (1)
	II	6 TO 11	1	Control and coordination in animals and plants (1)
	III	13 TO 18	1	Control and coordination in animals and plants (1)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	7	TEST - I
JULY	I	4 TO 9	1	Control and coordination in animals and plants (1)
	II	11 TO 16	1	Control and coordination in animals and plants (1)
	III	18 TO 23	1	Control and coordination in animals and plants (1)
	IV	25 TO 30	1	Control and coordination in animals and plants (1)
AUGUST	I	1 TO 6	1	Reproduction (1)
	II	8 TO 13	1	Reproduction (1)
	III	15 TO 20	3	Reproduction (1)
	IV	22 TO 27	1	Reproduction (1)

	V	29 TO 31	1	Reproduction (1)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	1	Reproduction (1)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	1	Reproduction (1)
	II	10 TO 15	1	Reproduction (1)
	III	17 TO 22	1	Heredity and evolution
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	1	Heredity and Evolution
	II	7 TO 12	1	Heredity and Evolution
	III	14 TO 19	1	Heredity and Evolution
	IV	21 TO 26	1	Heredity and evolution
	V	28 TO 30	1	Heredity and Evolution
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			48	

**SUBJECT: MATHEMATICS
(CODE NO.:041)**

PERIODIC ASSESSMENT	
SR . NO	Topic
1)	UNIT 1: Number system 1. Real Number
2)	UNIT 2 : Algebra 1. Polynomials 2. Pair of linear equations in 2 variables 3. Quadratic equations 4. Arithmetic progressions

TERM 1	
SR . NO	Topic
1)	Portion of periodic assessment
2)	UNIT 3: Coordinate geometry Line : (In 2 –dimensions)
3)	UNIT 4: Geometry Triangles Circles Construction
4)	UNIT5: Trigonometry Introduction to Trigonometry Trigonometric identities Heights and distance : angle of elevation , Angle of depression

PREBOARDS	
SR . NO	Topic
1)	Portion of periodic assessment and term 1
2)	UNIT 6: Mensuration Areas related to circles Surface area and volumes
3)	UNIT 7: Statistics and probability Statistics Probability

PRACTICALS

ACTIVITIES	
Book 1 , Activity 2	To draw the graph of a quadratic polynomial and observe: (i) The shape of the curve when the coefficient of x^2 is positive. (ii) The shape of the curve when the coefficient of x^2 is negative. (iii) Its number of zeroes.
Book 1, Activity 3	To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
Book 1, Activity 5	To identify Arithmetic Progressions in some given lists of numbers (patterns).
Book 1 Activity 10	To verify the distance formula by graphical method.
Book 2 , Activity 13	To establish the criteria for similarity of two triangles.
Book 2 , Activity 16	To verify Basic Proportionality Theorem (Thales theorem).
Book 2 ,Activity 18	To verify experimentally that the ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides.
Book 2 ,Activity 20	To verify Pythagoras Theorem
Book 3, Activity 24	To verify that the lengths of tangents to a circle from some external point are equal.
Book 4,Activity 25	To find the height of a building using a clinometer

TOPIC WISE PERIODS

MATHS		
Ln. No.	Topic	No. of Periods
1	Real numbers	10
2	Algebra	20
5	Coordinate geometry	10
6	geometry	16
7	Trigonometry	11
8	Mensuration	20
9	Statistics and probability	16
	Total	119

MATHS SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods available	Topic
APRIL	I	4 to 9	4	Unit 1 : Real Numbers (4)
	II	11 to 16	4	Unit 1 : Real Numbers (4)
	III	18 to 23	4	Unit 1: Real numbers (2) unit 2: Algebra (2)
	IV	25 to 30	4	Unit 2: Algebra (4)
MAY	I	2 TO 7	4	Unit 2: Algebra (4)
	II	9 TO 14	4	Unit 2: Algebra (4)
JUNE	I	1 TO 4	4	Unit 2 : Algebra (4)
	II	6 TO 11	4	Unit 2 : Algebra (4)
	III	13 TO 18	4	Unit 2 : Algebra (2) Unit 3: Coordinate geometry (2)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	7	TEST - I
JULY	I	4 TO 9	4	Unit 3 : Coordinate geometry (4)
	II	11 TO 16	4	Unit 3 : Coordinate geometry (4)
	III	18 TO 23	4	Unit 4: Geometry (4)
	IV	25 TO 30	4	Unit 4 : Geometry (4)
AUGUST	I	1 TO 6	4	Unit 4 : Geometry (4)
	II	8 TO 13	4	Unit 4 : Geometry (4)
	III	15 TO 20	3	UNIT 5: Trigonometry (3)
	IV	22 TO 27	4	UNIT 5 : Trigonometry (4)
	V	29 TO 31	4	unit 5 : Trigonometry (4)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	4	UNIT 6: Mensuration (4)
	III	12 TO 17	4	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-

OCTOBER	I	3 TO 8	4	UNIT 6: Mensuration (4)
	II	10 TO 15	4	UNIT 6: Mensuration (4)
	III	17 TO 22	4	Unit 6 : Mensuration (4)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	4	UNIT 6: MENSURATION (4)
	II	7 TO 12	4	Unit 7 : Statistics and probability (4)
	III	14 TO 19	4	Unit 7 :Statistics and probability (4)
	IV	21 TO 26	4	Unit 7 : statistics and probability (4)
	V	28 TO 30	4	UNIT 7: Statistics and probability (4)
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION

SUBJECT: Social Science

(CODE NO.:087)

PERIODIC ASSESSMENT	
SR . NO	Topic
1)	HISTORY Rise in nationalism in Europe The nationalism in India
2)	CIVICS Power Sharing Federalism democracy and diversity
3)	GEOGRAPHY Resources and Development Water resources Agriculture
4)	ECONOMICS Development sectors of economy

TERM 1	
SR . NO	Topic
1)	HISTORY Portion of periodic assessment The making of a global world The age of industrialisation

2)	<p style="text-align: center;">CIVICS</p> <p>Portion of periodic assessment Gender , religion and politics Popular struggles and movements Challenges to democracy</p>
3)	<p style="text-align: center;">GEOGRAPHY</p> <p>Portion of periodic assessment Agriculture Forest and wildlife</p>
4)	<p style="text-align: center;">ECONOMICS</p> <p>Globalization and the Indian economy money and credit</p>

PREBOARDS

SR . NO	Topic
1)	<p style="text-align: center;">HISTORY</p> <p><i>Portion of periodic assessment and term 1</i> Printing culture and modern world</p>
2)	<p style="text-align: center;">CIVICS</p> <p><i>Portion of periodic assessment and term 1</i> Outcome of democracy</p>
3)	<p style="text-align: center;">GEOGRAPHY</p> <p><i>Portion of periodic assessment and term 1</i> Minerals and energy resources Manufacturing industries Life lines of national economy</p>

4)	<p data-bbox="427 237 703 304">ECONOMICS</p> <p data-bbox="405 315 1007 383"><i>Portion of periodic assessment and term 1</i> Consumer rights</p>
----	--

PROJECT WORK

Every student has to compulsorily undertake **any one project** on the topic allotted to the students.

TOPIC WISE PERIODS

Ln. No.		No. of PERIODS
1	<p>India and contemporary world II</p> <ul style="list-style-type: none"> i) The rise of nationalism in Europe ii) Nationalism in India iii) Making of a global world iv) Age of industrialization v) print culture and the modern world 	14
2	<p>Contemporary India</p> <ul style="list-style-type: none"> i) Resources and development ii) Forest and wildlife iii) water resources iv) agriculture v) minerals and energy resources vi) manufacturing industries vii) life lines of national economy 	27
5	<p>Democratic politics : II</p> <ul style="list-style-type: none"> i) power sharing ii) Federalism iii) democracy and diversity iv) gender , religion and caste v) popular struggles and movements vi) political parties vii) outcome of democracy viii) challenges to democracy 	26
6	<p>Understanding development</p> <ul style="list-style-type: none"> i) Development ii) Sectors of the Indian economics iii) money and credit iv) Globalization and the Indian economy v) consumer rights 	19
	Total	215

MONTH	Week	Dates	No of periods available	Topic
APRIL	I	4 to 9	4	Rise in nationalism in Europe (1) Resources and Development (1) Power Sharing & Federalism (1) (Economics)Development (1)
	II	11 to 16	4	Rise in nationalism in Europe (1) Resources and Development (1) Power Sharing & Federalism (1) (Economics)Development (1)
	III	18 to 23	4	Rise in nationalism in Europe (1) Resources and Development (1) Power Sharing & Federalism (1) (Economics)Development (1)
	IV	25 to 30	4	Rise in nationalism in Europe (1) Resources and Development (1) Power Sharing & Federalism (1) (Economics)Development (1)
MAY	I	2 TO 7	4	The nationalism in India (1) water resources (1) Democracy and diversity (1) sectors of economy (1)
	II	9 TO 14	4	Nationalism in India (1) water resources(1) democracy and diversity (1) sectors of economy (1)
JUNE	I	1 TO 4	2	The nationalism in India (2)
	II	6 TO 11	4	The nationalism in India (1) water resources (1) democracy and diversity (1) sectors of economy (1)
	III	13 TO 18	4	The nationalism in India (1) water resources(1) democracy and diversity (1) sectors of economy (1)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	7	TEST - I

JULY	I	4 TO 9	4	The making of a global world (1) Forest and wildlife (1) Challenges to democracy (1) Money and credit (1)
	II	11 TO 16	4	The making of a global world (1) Forest and wildlife (1) Challenges to democracy (1) Money and credit (1)
	III	18 TO 23	4	Forest and wildlife (1) Power struggle and movement (1) Money and credit (1) The making of global world (1)
	IV	25 TO 30	4	The making of global world (1) Agriculture (1) power struggle and movement (1) money and credit (1)
AUGUST	I	1 TO 6	4	The age of industrialization (1) Agriculture (1) popular struggle and movement (1) money and credit (1)
	II	8 TO 13	4	The age of industrialization (1) Agriculture (1) popular struggle and movement (1)
	III	15 TO 20	3	The age of industrialization (1) Agriculture (1) Gender caste and religion (1)
	IV	22 TO 27	4	The age of industrialization (1) Agriculture (1) gender , religion and caste(1) globalization and the Indian economy (1)
V	29 TO 31	2	Minerals and energy resources	
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS

	II	5 TO 10	4	The age of industrialization (1) Minerals and energy resources (1) popular struggle and movement(1) globalization and the Indian economy (1)
	III	12 TO 17		REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	4	Printing culture and modern world (2) Manufacturing Industries (1) political parties (1)
	II	10 TO 15	4	Printing culture and modern world (1) manufacturing industries (1) political parties (1) Consumer rights (1)
	III	17 TO 22	4	Printing culture and modern world (1) Manufacturing industries (2) political parties (1)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	4	Printing culture and modern world (1) manufacturing industries (1) political parties (1) Consumer rights (1)
	II	7 TO 12	4	Life lines of national economy (1) outcome of democracy (1)
	III	14 TO 19	4	Life line of national economy (2) outcome of democracy (2)
	IV	21 TO 26	4	Life line of national economy (2) outcome of democracy (2)
	V	28 TO 30	4	REVISION SESSION
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			114	

**SUBJECT: INFORMATION TECHNOLOGY
(CODE NO.:402)**

PERIODIC ASSESSMENT	
SR . NO	Topic
PART A	
1)	Employability skills Unit 1: Communication skills Unit 2: Self management skills –II
PART B	
2)	Subject Specific skills Unit 1: Digital documentation (Advanced)

TERM 1	
SR . NO	Topic
PART A	
1)	Employability skills Portion of periodic assessment Unit 3 : Information and Communication technology skills –II Unit 4: Entrepreneurial skills -II
PART B	
1)	Subject Specific skills Portion of periodic assessment Unit 2: Electronic spreadsheet (advanced) Unit 3: Database management system

TERM 1	
SR . NO	Topic
PART A	
1)	Employability skills Portion of periodic assessment and term 1 Unit 5: Green skills II
PART B	
1)	Subject Specific skills Portion of periodic assessment and term 1 Unit 4: Web applications and security

PRACTICAL WORK

Written test
Viva voce
Practical examination

UNIT 1: DIGITAL DOCUMENTATION (ADVANCED)

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
1.	Create and Apply Styles in the document	<ul style="list-style-type: none"> • Styles/ categories in Word Processor • Styles and Formatting window. • Fill Format. • Creating and updating new style from selection • Load style from template or another document. • Creating a new style using drag-and-drop. • Applying styles. 	<ul style="list-style-type: none"> • List style categories. Select the style from the Styles and Formatting window. • Use Fill Format to apply a style to many different areas quickly. • Create and update new style from a selection. • Load a style from a template or another document. • Create a new style using drag-and-drop.

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
2.	Insert and use images in document	<ul style="list-style-type: none"> • Options to insert image to document from various sources. • Options to modify, resize, crop and delete an image. Drawing objects and its properties. • Creating drawing objects and changing its properties. Resizing and grouping drawing objects. • Positioning image in the text. 	<ul style="list-style-type: none"> • Insert an image to document from various sources. • Modify, resize, crop and delete an image. • Create drawing objects • Set or change the properties of a drawing object • Resize and group drawing objects • Position the image in the text
3.	Create and use template	<ul style="list-style-type: none"> • Templates. • Using predefined templates. • Creating a template. • Set up a custom default template. • Updating a document. • Changing to a different template. • Using the Template. 	<ul style="list-style-type: none"> • Create a template. • Use predefined templates. • Set up a custom default template. • Update a document. • Change to a different template. • Use the Template.
4.	Create and customize table of contents	<ul style="list-style-type: none"> • Table of contents. Hierarchy of headings. Customization of table of contents. • Character styles. Maintaining a table of contents. 	<ul style="list-style-type: none"> • Create table of contents. Define a hierarchy of headings. • Customize a table of contents. • Apply character styles. Maintain a table of contents.
5	Implement Mail Merge	<ul style="list-style-type: none"> • Advance 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 a letter and its address label 	<ul style="list-style-type: none"> • Demonstrate to print the label using mail merge, do the following to achieve • Create a main document, • Create the data source, • Enter data in the fields, • Merge the data source with main document, • Edit individual document, • Print the letter and address label

UNIT 2: ELECTRONIC SPREADSHEET (ADVANCED)

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
1.	Analyse data using scenarios and goal seek.	<ul style="list-style-type: none"> • Using consolidating data. Creating subtotals. • Using “what if” scenarios. Using “what if” tools • Using goal seek and solver. 	<ul style="list-style-type: none"> • Use consolidating data Create subtotals • Use “what if” scenarios Use “what if” tools • Use goal seek and solver
2.	Link data and spreadsheets	<ul style="list-style-type: none"> • Setting up multiple sheets. Creating reference to other sheets by using keyboard and mouse. • Creating reference to other document by using keyboard and mouse. • Relative and absolute hyperlinks • Hyperlinks to the sheet. <ul style="list-style-type: none"> ○ Linking to external data. ○ Linking to registered data sources. 	<ul style="list-style-type: none"> • Setup multiple sheets by inserting new sheets. • Create reference to other sheets by using keyboard and mouse. • Create reference to other document by using keyboard and mouse. • Create, Edit and Remove hyperlinks to the sheet. • Link to external data. • Link to registered data source.
3.	Share and review a spreadsheet	<ul style="list-style-type: none"> • Setting up a spreadsheet for sharing. • Opening and saving a shared spreadsheet. Recording changes. • Add, Edit and Format the comments. • Reviewing changes – view, accept or reject changes. Merging and comparing. 	<ul style="list-style-type: none"> • Set up a spreadsheet for sharing. • Open and save a shared spreadsheet. • Record changes. • Add, Edit and Format the comments. • Review changes – view, accept or reject changes. • Merge and compare sheets.
4.	Create and Use Macros in spreadsheet	<ul style="list-style-type: none"> • Using the macro recorder. Creating a simple macro. Using a macro as a function. • Passing arguments to a macro. • Passing the arguments areas values. • Macros to work like built-in functions. • Accessing cells directly. • Sorting the columns using macro. 	<ul style="list-style-type: none"> • Use the macro recorder. Create a simple macro. Use a macro as a function. • Pass arguments to a macro. • Pass the arguments are as values. • Write macros that act like built-in functions • Access cells directly. • Sort the columns using macro.

UNIT 3: DATABASE MANAGEMENT SYSTEM

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
1.	Appreciate the concept of Database Management System	<ul style="list-style-type: none"> • Concept and examples of data and information, • Concept of database, • Advantages of database, • Features of database, • Concept and examples of Relational database, • Concept and examples of field, record, table, database, • Concept and examples of Primary key, composite primary key, foreign key, • Relational Data base management system (RDBMS) software. 	<ul style="list-style-type: none"> • Identify the data and information, • Identify the field, record, table in the database, • Prepare the sample table with some standard fields. • Assign the primary key to the field, • Identify the primary key, composite primary key, foreign key.
2.	Create and edit tables using wizard and SQL commands	<ul style="list-style-type: none"> • Introduction to a RDBMS • Database objects – tables, queries, forms, and reports of the database, • Terms in database – table, field, record, • Steps to create a table using table wizard, Data types in Base, • Option to set primary key Table Data View dialog box • DDL Commands 	<ul style="list-style-type: none"> • Start the RDBMS and observe the parts of main window, • Identify the data base objects Create the sample table in any category using wizard, Practice to create different tables from the available list and choosing fields from the available fields. • Assign data types of field, Set primary key, • Edit the table in design view, Enter the data in the fields. • Create and edit table using DDL Commands
3.	Perform operations on table	<ul style="list-style-type: none"> • Inserting data in the table, • Editing records in the table, • Deleting records from the table, • Sorting data in the table, Referential integrity, • Creating and editing relationships – one to one, one to many, many to many, • Field properties. 	<p>Demonstrate to:</p> <ul style="list-style-type: none"> • Insert data in the table, Edit records in the table, Delete records from table, Sort data in the table, • Create and edit relationships • one to one, one to many, many to many, • Enter various field properties.

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
4.	Retrieve data using query	<ul style="list-style-type: none"> • Database query, • Defining query, • Query creation using wizard, • Creation of query using design view, • Editing a query, • Applying criteria in query – single field, multiple fields, using wildcard, • Performing calculations, • Grouping of data, • Structured Query Language (SQL). 	<ul style="list-style-type: none"> • Prepare a query for given criteria, • Demonstrate to create query using wizard, and using design view, • Edit a query, • Demonstrate to apply various criteria in query – single field, multiple fields, using wild card, • Performing calculations using query in Base, • Demonstrate to group data, • Use basic SQL commands,
5.	Create Forms and Reports using wizard	<ul style="list-style-type: none"> • Forms in Base, • Creating form using wizard, • Steps to create form using Form Wizard, • Options to enter or remove data from forms • Modifying form, • Changing label, background, • Searching record using Form, • Inserting and deleting record using Form View, • Concept of Report in Base, • Creating Report using wizard, • Steps to create Report using Wizard. 	<ul style="list-style-type: none"> • Illustrate the various steps to create Form using Form Wizard, • Enter or remove data from Forms, • Demonstrate to modify Forms, • Demonstrate to change label, background, • Search record using Form, • Insert and delete record using Form View, • Illustrate the various steps to create Report using Report Wizard, • Demonstrate various examples of Report.

UNIT 4: WEB APPLICATIONS AND SECURITY

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
1.	Working With Accessibility Options.	<ul style="list-style-type: none"> • Understand various types of impairment that impact computer usage • Computer Accessibility Dialog box and its tabs • Serial Keys 	<ul style="list-style-type: none"> • Illustrate use of various options under Computer Accessibility like Keyboard , mouse, sound, display setting serial keys, cursor options • use of toggle keys, filter keys, sticky keys, • sound sentry, show sounds etc.
2.	Understand Networking Fundamentals	<ul style="list-style-type: none"> • Network and its types. • Client Server Architecture, Peer-to-peer (P2P) Architecture, • internet, World Wide Web, • benefits of networking • internet, getting access to internet, • internet terminology • Some of the commonly used Internet connectivity options • Data transfer on the Internet 	<ul style="list-style-type: none"> • Identify applications of Internet • comparing various internet technologies • identifying types of networks and selecting internet
3.	Introduction to Instant Messaging	<ul style="list-style-type: none"> • learn key features of instant messaging • Creating an instant messaging account • Launching Google Talk • Signing In into your Google Talk Account 	<ul style="list-style-type: none"> • Illustrate steps to create instant messaging account • Signing In into your Google Talk Account
4.	Chatting With a Contact – Google Talk	<ul style="list-style-type: none"> • learn to chat with a contact that is already added to your contact list. • sending text chat messages instantly by double-clicking on a contact. • general rules and etiquettes to be followed while chatting. • chatting on various types of messengers 	<ul style="list-style-type: none"> • Illustrate chat with a contact and send messages, • chatting with various messenger services
5	Creating and Publishing Web Pages – Blog ...-	<ul style="list-style-type: none"> • learn and appreciate a blog and its creation with the help of some blog providers • set up title and other parameters in a blog posting comments • using offline blog editors 	<ul style="list-style-type: none"> • Illustrate Blog Creation and setting various parameters in it

S. No.	LEARNING OUTCOMES	THEORY	PRACTICAL
6	Using Offline Blog Editors	<ul style="list-style-type: none"> • Concept to create blogs using a blog application and publish the blog whenever internet connectivity is available. 	<ul style="list-style-type: none"> • Demonstration on how to create blogs using a blog application offline. • posting messages in an offline application • Publish the blog whenever internet connectivity is available using various examples
7	Online Transaction	<ul style="list-style-type: none"> • concept of e-commerce and various online applications • importance of secure passwords 	<ul style="list-style-type: none"> • Illustration of online shopping using various e-commerce sites • Demonstration of securing passwords for online transactions.
8.	Internet Security	<ul style="list-style-type: none"> • Need of internet security • Cyber threats like phishing, email-spoofing, char spoofing etc. • best practices for internet security and secure passwords • concept of browser, cookies, backup, antivirus • clearing data in browsers 	<ul style="list-style-type: none"> • illustration of internet security threats through various ways • cyber security tips • tips for secure passwords • demonstration of strong passwords using various websites. • clearing data stored in browser applications.
9.	Maintain workplace safety	<ul style="list-style-type: none"> • Basic safety rules to follow at workplace – Fire safety, • Falls and slips, Electrical safety, • Use of first aid. • Case Studies of hazardous situations. 	<ul style="list-style-type: none"> • Practice to follow basic safety rules at workplace to prevent accidents and protect workers – Fire safety, • Falls and slips, Electrical safety, Use of first aid.
10.	Prevent Accidents and Emergencies	<ul style="list-style-type: none"> • Accidents and emergency, • Types of Accidents, • Handling Accidents • Types of Emergencies. 	<ul style="list-style-type: none"> • Illustrate to handle accidents at workplace, • Demonstrate to follow evacuation plan and procedure in case of an emergency.
11.	Protect Health and Safety at work	<ul style="list-style-type: none"> • Hazards and sources of hazards, • General evacuation procedures, • Healthy living. 	<ul style="list-style-type: none"> • Identify hazards and sources of hazards, • identify the problems at workplace that could cause accidents, • Practice the general evacuation procedures in case of an emergency.

ORGANISATION OF FIELD VISITS:

In a year, at least 3 field visits/educational tours should be organised for the students to expose them to the activities in the workplace.

Visit a data entry centre and observe the following: Location, Site, Office building, Computer Systems, Tools and Equipment, Printer, Scanner. During the visit, students should obtain the following information from the owner or the supervisor of the Data Centre:

1. Data Entry Centre.
2. Computer Infrastructure.
3. Sitting Posture of data entry operators.
4. Assistive technology.
5. Man power engaged.
6. Total expenditure of Data Entry Centre.
7. Total annual income.
8. Profit/Loss (Annual).
9. Any other information.

TOPIC WISE PERIODS

SR.no	Topic	Theory
	PART A: Employability skills	11
1)	UNIT 1 : Communication skills - II	2
2)	UNIT 2 : Self management skills -II	2
3)	UNIT 3:Information and communication technology skills - II	2
4)	Entrepreneurial skills -II	3
5)	Green skills -II	2
		Theory
SR.NO	PART B: Subject specific skills	13
1)	UNIT 1: Digital Documentation (advanced)	2
2)	UNIT 2 : Electronic spreadsheet (advanced	3
3)	UNIT 3: Database management system	4
4)	UNIT 4: Web application and security	4

INFORMATION TECHNOLOGY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of periods Available	Topic
APRIL	I	4 to 9	1	Part A: communication skills -II
	II	11 to 16	1	Part A: communication skills -II
	III	18 to 23	1	Part B : Digital documentation
	IV	25 to 30	1	Part B : Digital documentation
MAY	I	2 TO 7	1	Part B : Digital documentation
	II	9 TO 14	1	PART A : Self management skills II
JUNE	I	1 TO 4	1	PART A :Self management skills II
	II	6 TO 11	1	PART B : electronic spreadsheet (advanced)
	III	13 TO 18	1	PART B : electronic spreadsheet (advanced)
	IV	20 TO 22	3	REVISION SESSION
	V	23 TO 30	5	TEST - I
JULY	I	4 TO 9	1	PART B : electronic spreadsheet (advanced)
	II	11 TO 16	1	PART A: information and communication technology skills - II
	III	18 TO 23	1	PART A: information and communication technology skills - II
	IV	25 TO 30	1	PART B: Database management system
AUGUST	I	1 TO 6	1	PART B: Database management system
	II	8 TO 13	1	PART B: Database management system
	III	15 TO 20	1	PART B: Database management system
	IV	22 TO 27	1	PART A: Entrepreneurial skills -II
	V	29 TO 31	1	PART A: Entrepreneurial skills -II
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	1	PART A: Entrepreneurial skills -II
	III	12 TO 17	8	REVISION SESSION

	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-
OCTOBER	I	3 TO 8	1	PART A: Green skills -II
	II	10 TO 15	1	PART A : GREEN Skills -II
	III	17 TO 22	1	PART B: Web application and security
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	I	1 TO 5	1	PART B: Web application and security
	II	7 TO 12	1	PART B: Web application and security
	III	14 TO 19	1	PART B: Web application and security
	IV	21 TO 26	1	REVISION SESSON
	V	28 TO 30	1	
DECEMBER	I	1 TO 3	0	PRE -BOARDS -1
	II	5 TO 9	0	PRE -BOARDS -1
	III	12 TO 17	0	REVISION SESSION
	IV	19 TO 24	0	REVISION SESSION
	V	25 TO 31	0	REVISION SESSION
			43	

TEST SERIES 1

Date	Day	Subject
13th April 2022	Wednesday	Math
21st April 2022	Thursday	English
28th April 2022	Thursday	Science
5th May 2022	Thursday	Social Studies
12th May 2022	Thursday	Hindi

TEST SERIES 2

Date	Day	Subject
14th July 2022	Thursday	English
21st July 2022	Thursday	Math
28th July 2022	Thursday	Science
4th August 2022	Thursday	Social Studies
11th August 2022	Thursday	Hindi

PERIODIC ASSESMENT

DATE	DAY	SUBJECT
23 rd June 2022	Thursday	English
24 th June 2022	Friday	Science
27 th June 2022	Monday	Math
28 th June 2022	Tuesday	Social Science
29 th June 2022	Wednesday	Hindi
30 th June 2022	Thursday	Information Technology

TERM 1

DATE	DAY	SUBJECTS
21 ST September 2022	Wednesday	English
22 nd September 2022	Thursday	Social Science
23 rd September 2022	Friday	Hindi
26 September 2022	Monday	Math
27 th September 2022	Tuesday	Information Technology
28 th September 2022	Wednesday	Preparation Leave
29 th September 2022	Thursday	Science

PREBOARD

DATE	DAY	SUBJECTS
1 ST December 2022	Thursday	English
2 nd December 2022	Friday	Social Science
5 th December 2022	Monday	Math
6 th December 2022	Tuesday	Hindi
7 th December 2022	Wednesday	Information Technology
8 TH December 2022	Thursday	SCIENCE



PIONEERING EDUCATION
★ SINCE 1992 ★

CBSE | ICSE | IGCSE

Mira Road | Nallasopara | Boisar | Hinjewadi | Wadgaon Sheri | Wagholi | Varanasi

☎ 1800 266 4042 ✉ ris@rahuleducation.com 🌐 www.ris.education

An Initiative by



54+ Institutes
52000+ Students
3000+ Staff

Navghar Road, Bhayandar(E), Thane-401105
Contact No.: 022 - 28151122 / 33
Email ID : info@rahuleducation.com
Website : www.rahuleducation.com



Scan to Know More about RIS