PIONEERING EDUCATION
★ SINCE 1992 ★

RAHUL INTERNATIONAL SCHOOL

CURRICULUM OVERVIEW
GRADE XII - SCIENCE
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 12.

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 additional 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 Leaner 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 Senior Secondary School Curriculum

The Curriculum prescribed by CBSE strives to:

1. Provide ample scope for holistic i.e. physical, Intellectual and social development of students;

2. Emphasize constructivist rather than rote learning by highlighting the importance of hands-on experience;

3. Enlist general and specific teaching and assessment objectives to make learning competency based;

4. Encourage the application of knowledge and skills in real life problem solving scenarios;

5. Uphold the Constitutional Values by encouraging values-based learning activities;

6. Promote Critical and Creative Thinking aligned to the 21st Century Skills in classrooms;

7. Integrate innovations in pedagogy such as experiential learning, Sport & Art-Integrated Learning ,toy-based pedagogy, storytelling, gamification etc. with technological innovations (ICT integration) to keep pace with the global trends in various disciplines;

8. Promote inclusive practices as an overriding consideration in all educational activities;

9. Enhance and support learning by different types of assessments; and

10. Integrate environmental education in various disciplines.

Objectives of the Curriculum

1. Achieve desired national level of competencies in cognitive, affective and psychomotor domains; 2. facilitate acquisition of 21st Century Skills and enhance self and social awareness through thematic or multidisciplinary approach;

3. Promote Cooperative Learning, Collaborative Learning, Self-directed learning etc. to facilitate realization of learning outcomes;

4. Promote Authentic Assessments based on real world tasks involving meaningful application of knowledge and skills;

5. Promote Life Skills , inculcate values , foster cultural learning and international understanding in an interdependent society;

6. Acquire the ability to utilize technology and information for the betterment of humankind;

7. Strengthen knowledge and attitude related to livelihood skills and promote lifelong learning;

8. Develop the ability to appreciate art and showcase talents;

9. Promote physical fitness, health and well-being

SUBJECTS OFFERED AT RIS: GRADE 12

SCIENCE	COMMERCE	HUMANITIES
ENGLISH CORE	ENGLISH CORE	ENGLISH CORE
PHYSICS	ACCOUNTANCY	PSYCHOLOGY
CHEMISTRY	ECONOMICS	MATHS/APPLIED MATHS + IP/CS/PE
BIOLOGY + CS/PSYCHOLOGY/PE	BUSINESS + IP/PE	HISTORY
MATHS + PSYCHOLOGY/CS/PE	MATHS/APPLIED MATHS + IP/PE	SOCIOLOGY

SUBJECT: ENGLISH CORE
(CODE NO.:301)

PERIODIC ASSESSMENT	
Book: Flamingo	
Sr. No.	**Topic**
1	The last season
2	The lost spring
3	Deep water
4	My mother at sixty six (poem)
5	Elementary classroom in a slum (poem)
Book: Vistas	
Sr. No.	**Topic**
1	The third level
2	The tiger king
3	Journey to the end of the earth
4	The enemy
Reading Comprehension	
Sr. No.	**Topic**
1	Reading unseen passage
Creative writing	
Sr. No.	**Topic**
1	Notice writing
2	Classified advertisements
3	Letter to an editor
Grammar	
Sr. No.	**Topic**
1	Direct /Indirect speech

TERM - 1	
Book: Flamingo	
Sr. No.	**Topic**
1	Portion of periodic assessment
2	The rat trap
3	The indigo
4	Poets and pancakes
5	Keeping quiet (poem)
Book: Vistas	
Sr. No.	**Topic**
1	Portion of periodic assessment
2	Should wizard hit mommy
3	On the face of it
4	Evans tries an O –level
Reading Comprehension	
Sr. No.	**Topic**
1	Portion of periodic assessment
2	Reading unseen passage
Creative writing	
Sr. No.	**Topic**
1	Notice writing
2	Report writing
3	Letter to an editor
4	Classified advertisement
Grammar	
Sr. No.	**Topic**
1	Direct /Indirect speech
2	Types of sentences
3	Active passive voice

PREBOARDS	
Book: Flamingo	
Sr. No.	**Topic**
1	***Entire course book***
Book: Vistas	
Sr. No.	**Topic**
1	***Entire course book***
Reading Comprehension	
Sr. No.	**Topic**
1	***Portion of periodic assessment and term 1***
Creative writing	
Sr. No.	**Topic**
1	***Portion of periodic assessment and term 1***
2	Creative writing :formal / informal letter
3	Long writing task :Application for job / informal invitation replies
4	Report writing
Grammar	
Sr. No.	**Topic**
1	***Portion of periodic assessment and term 1***
2	Subject verb agreement and term 1 exam
3	Conjunctions

TOPIC WISE PERIODS

Ln. No.	LITERATURE	No. of Periods
1	The last season	4
2	The lost spring	4
3	Deep water	4
4	My mother at 66	4
5	Elementary classroom in a slum	5
6	The third level	4
7	The tiger king	4
8	Journey to the end of the world	4
9	The enemy	4
10	Writing skills	15
11	Direct /indirect speech	12
12	The rat trap	4
13	The indigo	4
14	Poet and pancakes	4
15	Keeping quiet	4
16	A thing of beauty	5
12	Types of sentences	10
13	Conjunctions	6
15	The interview	5
16	Going places	5
17	The road side stand	5
18	Aunt Jennifer's tiger	6
19	Memory of a child	6
20	Cutting of my long hair	6
21	Subject verb agreement	10
22	Active passive voice	10
23	Evans tries o level	6
24	On the face of it	6
25	Should wizard hit mommy	5
26	Letter writing : formal and informal	8
27	long writing task	6
28	Report writing	8
29	We too are human beings	4
TOTAL		**197**

**Number of Periods are of 30 minutes duration each*

ENGLISH SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available	Topic
APRIL	I	4 to 9	8	The last season (4) The lost spring (4)
	II	11 to 16	8	Deep water (4) My mother at 66 (4)
	III	18 to 23	8	Elementary classroom in slum (3) The third level (5)
	IV	25 to 30	8	The third level (4) The tiger king (4)
MAY	I	2 TO 7	8	Journey to the end of the world (4) The enemy (4)
	II	9 TO 14	8	Writing skills (8)
JUNE	I	1 TO 4	2	REVISION SESSION
	II	6 TO 11	8	Writing skills (8)
	III	13 TO 18	8	Writing skills (7) Direct / Indirect speech (1)
	IV	20 TO 25	6	Direct / indirect speech (6)
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	8	Direct / indirect speech (5) The rat trap (3)
	II	11 TO 16	8	The rat trap (1) The indigo (4) Poet and pancakes (3)
	III	18 TO 23	8	Poet and pancakes (1) Keeping quiet (4) A thing of beauty (3)
	IV	25 TO 30	8	A thing of beauty (2) Types of sentences(6)
AUGUST	I	1 TO 6	8	Types of sentences (4) Conjunctions (4)
	II	8 TO 13	4	Keeping quiet (4)
	III	15 TO 20	3	Should wizard hit mommy (3)
	IV	22 TO 27	8	Should wizard hit mommy (2) On the face of it (6)

	V	29 TO 31	2	Evan tries 0 -level (2)
SEPTEMBER	**I**	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Evan tries o level (4) Subject verb agreement (4)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-1
OCTOBER	**I**	3 TO 8	7	Subject verb agreement (6) a road side stand (1)
	II	10 TO 15	8	Aunt Jennifer's tiger (5) Memory of a child (3)
	III	17 TO 22	8	Memory of a child (3) Cutting my long hair (5)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	6	Cutting my long hair (1) Letter writing (5)
	II	7 TO 12	7	Letter writing (3)
	III	14 TO 19	8	Long writing task (6) report writing (2)
	IV	21 TO 26	8	Report writing (6) We too are humans (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

SUBJECT: PHYSICS

(CODE NO.:042)

PERIODIC ASSESSMENT	
PART -1	
Sr No.	**Topic**
1	**UNIT 1**: **ELECTROSTATICS** Chapter1: Electric Charges and Fields Electric Charges Chapter 2: Electrostatic Potential and Capacitance
2	**UNIT 2 :CURRENT ELECTRICITY** Chapter 3 : Current Electricity
PART -2	
3	**UNIT 6: OPTICS** Chapter 9 :Ray optics and optical instruments Chapter 10 : Wave optics

TERM 1	
PART - 1	
Sr. No	**Topic**
1	**Portion of periodic assessment 1**
2	**UNIT 3:** Magnetic Effects of Current and Magnetism Chapter 4 :Moving charges and Magnetism Chapter 5: Magnetism and Matter
3	**UNIT 4:** Electromagnetic Induction and Alternating Currents Chapter 6:Electromagnetic Induction Chapter 7 :Alternating Current
4	**UNIT 5:**Electromagnetic waves Chapter 8: Electromagnetic waves
PART - 2	
5	**UNIT 7 :** Dual Nature of Radiation and Matter Chapter 11:Dual nature of radiation and matter

	UNIT 8: Atoms and Nuclei Chapter 12 :Atoms Chapter 13 : Nuclei

PREBOARDS	
PART -2	
Sr. No	**Topic**
1	**UNIT 9 : Electronic Devices** **Chapter 14 :**Semiconductor Electronics: Materials, Devices and Simple Circuits ***(Entire course book will be assessed)***

PRACTICALS

SECTION–A

1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current.
2. To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material.
3. To verify the laws of combination (series) of resistances using a metre bridge.
4. To verify the laws of combination (parallel) of resistances using a metre bridge.
5. To compare the EMF of two given primary cells using potentiometer.
6. To determine the internal resistance of given primary cell using potentiometer.
7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.

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SECTION-B

1. To find the value of *v* for different values of *u* in case of a concave mirror and to find the focal length.
2. To find the focal length of a convex mirror, using a convex lens.
3. To find the focal length of a convex lens by plotting graphs between *u* and *v* or between *1/u* and *1/v*.
4. To find the focal length of a concave lens, using a convex lens.

5. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
6. To determine refractive index of a glass slab using a travelling microscope.
7. To find refractive index of a liquid by using convex lens and plane mirror.

LIST OF ACTIVITIES

SECTION A	
1	To measure the resistance and impedance of an inductor with or without iron core.
2	To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.
SECTION B	
3	Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
4	To study effect of intensity of light (by varying distance of the source) on an LDR.
5	To study the nature and size of the image formed by a (i) convex lens, (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).

Suggested Investigatory Projects

1. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equi convex lens (made from a glass of known refractive index) and an adjustable object needle.

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Electric Charges and Fields	11
2	Electrostatic Potential and Capacitance	12
3	Current Electricity	15
4	Moving Charges and Magnetism	9
5	Magnetism and Matter	7
6	Electromagnetic Induction	10
7	Alternating Current	9
8	Electromagnetic waves	3
9 P-II	Ray Optics and Optical Instruments	10
10	Wave Optics	10
11	Dual nature of Radiation and Matter	8
12	Atoms	7
13	Nuclei	6
14	Semiconductor Electronics	8
	Total	**125**

**Number of Periods are of 30 minutes duration each*

PHYSICS SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Electric Charge and Fields (8)
	II	11 to 16	4	Electric Charge and Fields (4)
	III	18 to 23	8	Electrostatic Potential and Capacitance (8)
	IV	25 to 30	8	Electrostatic Potential and Capacitance (4) Ray Optics and Optical Instruments (4)
MAY	I	2 TO 7	8	Ray Optics and Optical Instruments (8)
	II	9 TO 14	8	Current Electricity (8)
JUNE	I	1 TO 4	2	REVISION SESSION
	II	6 TO 11	8	Current Electricity (8)
	III	13 TO 18	8	Wave Optics (8)
	IV	20 TO 25	6	Wave Optics(2) Revision Session
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	8	Moving Charges and Magnetism (8)
	II	11 TO 16	8	Moving Charges and Magnetism (1) Magnetism and Matter (7)
	III	18 TO 23	8	Dual Nature of Radiation and Matter (8)
	IV	25 TO 30	8	Electromagnetic Induction (8)
AUGUST	I	1 TO 6	8	Electromagnetic Induction (2) Alternating Current (6)
	II	8 TO 13	4	Alternating Current (4)
	III	15 TO 20	3	Atoms (3)
	IV	22 TO 27	8	Atoms (4) Nuclei (4)
	V	29 TO 31	2	Nuclei (2)

SEPTEMBER	**I**	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Electromagnetic Waves (3)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM- 1
OCTOBER	**I**	3 TO 8	7	Semi Conductors Electronics (7)
	II	10 TO 15	8	Semi Conductors Electronics (2)
	III	17 TO 22	8	
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	6	REVISION SESSION
	II	7 TO 12	7	REVISION SESSION
	III	14 TO 19	8	REVISION SESSION
	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

SUBJECT: CHEMISTRY
(CODE NO.:043)

PERIODIC ASSESSMENT	
PART -1	
Sr No.	**Topic**
1	Chapter 1 : Solid state
2	Chapter 2: Solutions
3	Chapter 3: Electrochemistry
4	Chapter 4: Chemical Kinetics
5	Chapter 5 : Surface Chemistry
PART -2	
6	Chapter 10: Haloakanes and Haloarenes
7	Chapter 11: Alcohols and Phenols

TERM -1	
PART -1	
Sr No.	**Topic**
1	Portion of periodic assessment
2	Chapter 7: p Block elements
3	Chapter 8: D and F block elements
4	Chapter 9:Coordination Compounds
PART -2	
5	Chapter 12: Aldehydes and Ketones
6	Chapter 13: Amines

PREBOARDS	
PART -1	
Sr No.	**Topic**
1	Chapter 6: General Principles and processes of isolation of elements
PART -2	
2	Chapter 14: Biomolecules
3	Chapter 15 :Polymers
4	Chapter 16 : Chemistry in everyday life
5	***Entire course book will be assessed***

PRACTICALS

A. Preparation of one lyophilic and one lyophobic sol

Lyophilic sol - starch, egg albumin and gum

Lyophobic sol - aluminium hydroxide, ferric hydroxide, arsenous sulphide.

B. Dialysis of sol-prepared in (a) above.

C. Thermochemistry

Any one of the following experiments

i) Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate.

ii) Enthalpy of neutralization of strong acid (HCl) and strong base (NaOH).

iii) Determination of enthaply change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

D. Electrochemistry

Variation of cell potential in $Zn/Zn^{2+}||\ Cu^{2+}/Cu$ with change in concentration of electrolytes ($CuSO_4$or $ZnSO_4$) at room temperature.

E. Chromatography

i) Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values.

ii) Separation of constituents present in an inorganic mixture containing two cations only (constituents having large difference in Rf values to be provided).

F. Preparation of Inorganic Compounds

i) Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum.

ii) Preparation of Potassium Ferric Oxalate.

G. Preparation of Organic Compounds

Preparation of any one of the following compounds

i) Acetanilide

ii) Di -benzal Acetone

iii) p-Nitroacetanilide

iv) Aniline yellow or 2 - Naphthol Aniline dye.

H. Tests for the functional groups present in organic compounds:

Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.

I. Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given food stuffs.

J. Determination of concentration/ molarity of $KMnO_4$ solution by titrating it against a standard solution of:

i)Oxalic acid,

ii) Ferrous Ammonium Sulphate

(Students will be required to prepare standard solutions by weighing themselves).

K.Qualitative analysis

Determination of one cation and one anion in a given salt.

Cation - Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Zn^{2+}, Cu^{2+}, Co^{2+}, Ni^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+},$[NH4]^{+}$

Anions – $[CO_3]^{2-}$, S^{2-}, $[SO_3]^{2-}$, $[SO_4]^{2-}$, $[NO_2]^{-}$, Cl^{-},Br^{-}, I^{-}, $[PO_4]^{3-}$, $[C_2O_4]^{2-}$, CH_3COO^{-}

(Note: Insoluble salts excluded)

PROJECT

1)Study of the presence of oxalate ions in guava fruit at different stages of ripening.

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Solid State	10
2	Solution	10
3	Electrochemistry	9
4	Chemical Kinetics	6
5	Surface Chemistry	7
6	General Principles & Processes of Isolation of Elements	9
7	p Block elements	9
8	d and f Block Elements	9
9	Coordination Compounds	9
10	Haloalkanes and Halo arenes	9
11	Alcohols and Phenols	12
12	Aldehydes and Ketones	12
13	Amines	8
14	Biomolecules	10
15	Polymers	8
16	Chemistry in Everyday life	7

**Number of Periods are of 30 minutes duration each*

CHEMISTRY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Solid State (8)
	II	11 to 16	4	Solid State (2)
	III	18 to 23	8	Halo Alkanes (8)
	IV	25 to 30	8	Haloalkanes (1) Solutions (7)
MAY	I	2 TO 7	8	Solutions (1) Electro Chemistry (7)
	II	9 TO 14	8	Electrochemistry (2) Chemical Kinetics (6)
JUNE	I	1 TO 4	2	REVISION SESSION
	II	6 TO 11	8	Surface Chemistry (7)
	III	13 TO 18	8	Alcohols and Phenols (8)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	8	Alcohols and Phenols (4) p block elements (4)
	II	11 TO 16	8	p block elements (5)
	III	18 TO 23	8	Aldehydes and Ketones (8)
	IV	25 TO 30	8	Aldehydes and Keyones (4)
AUGUST	I	1 TO 6	8	d and f block elements (8)
	II	8 TO 13	4	d and f block elements (4)
	III	15 TO 20	3	Amines (3)
	IV	22 TO 27	8	Amines (4)
	V	29 TO 31	2	REVISION SESSION
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Coordination Compounds (8)
	III	12 TO 17	8	Coordination Compounds (1) REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM- 1
OCTOBER	I	3 TO 8	7	Biomolecules (7)

	II	10 TO 15	8	Biomolecules (5)
	III	17 TO 22	8	Polymers (8)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	6	General Principles and Processes of Isolation (6)
	II	7 TO 12	7	General Principles and Processes of Isolation (2)
	III	14 TO 19	8	Chemistry in Everyday life (8)
	IV	21 TO 26	8	
	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

SUBJECT: BIOLOGY

(CODE NO.:044)

PERIODIC ASSESSMENT	
Sr. No.	**Topic**
1	Chapter 1: Reproduction in organisms
2	Chapter 2: Sexual reproduction in flowering plant
3	Chapter 3: Human Reproduction
4	Chapter 4: Reproductive Health
5	Chapter 5: Principles of inheritance and Variation
6	Chapter 6: Molecular Basis and Inheritance

TERM -1	
Sr. No.	**Topic**
1	Portion of periodic assessment
2	Chapter 7: Evolution
3	Chapter 8: Human health and diseases
4	Chapter 9: Strategies for Enhancement in food production
5	Chapter 10: Microbes in human welfare
6	Chapter 11: Biotechnology – Principles and Process

PREBOARDS	
Sr. No.	**Topic**
1	Chapter 12: Biotechnology and Its Application
2	Chapter 13: Organisms and population
3	Chapter 14 : Ecosystem
4	Chapter 15 : Biodiversity and Conservation
5	Chapter 16 : Environmental Issues

PRACTICALS

SECTION A
1. Study pollen germination on a slide.
2. Collect and study soil from at least two different sites and study them for texture, moisture content, pH and water holding capacity. Correlate with the kinds of plants found in them.
3. Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organism.
4. Study the presence of suspended particulate matter in air at two widely different sites.
5. Study the plant population density by quadrat method.
6. Study the plant population frequency by quadrat method.
7. Prepare a temporary mount of onion root tip to study mitosis.
8. Study the effect of different temperatures and three different pH on the activity of salivary amylase on starch.
9. Isolate DNA from available plant material such as spinach, green pea seeds, papaya,etc.

SECTION B
1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Pollen germination on stigma through a permanent slide.
3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides(Mammalian).
6. Mendelian inheritance using seeds of different colour/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
8. Controlled pollination - emasculation, tagging and bagging.
9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides or specimens. Comment on symptoms of diseases that they cause.
10 .Two plants and two animals (models/virtual images) found in xeric conditions. Comment upon their morphological adaptations.
11.Two plants and two animals (models/virtual images) found in aquatic conditions. Comment upon their morphological adaptations.

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Reproduction in Organisms	6
2	Sexual Reproduction in Flowering Plants	8
3	Human Reproduction	8
4	Reproductive Health	6
5	Principles of Inheritance and Variation	13
6	Molecular basis of Inheritance	14
7	Evolution	13
8	Human Health and Disease	12
9	Strategies for Enhancement in Food Production	8
10	Microbes in Human Welfare	10
11	Biotechnology - Principles and Processes	15
12	Biotechnology and its Application	15
13	Organisms and Population	7
14	Ecosystem	7
15	Biodiversity and Conservation	8
16	Environmental Issues	8

**Number of Periods are of 30 minutes duration each*

BIOLOGY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Reproduction in Organisms (6) Sexual Reproduction in Flowering Plants(2)
	II	11 to 16	4	Sexual Reproduction in Flowering Plants (4)
	III	18 to 23	8	Sexual Reproduction in Flowering Plants (2) Human Reproduction (6)
	IV	25 to 30	8	Human Reproduction (2) Reproductive Health (6)
MAY	I	2 TO 7	8	Principles of Inheritance & Variation (8)
	II	9 TO 14	4	Principles of Inheritance & Variation (4)
UNE	I	1 TO 4	2	Principles of Inheritance & Variation (1)
	II	6 TO 11	8	Molecular Basis of Inheritance (8)
	III	13 TO 18	8	Molecular Basis of Inheritance (6)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	8	Evolution (8)
	II	11 TO 16	8	Evolution (5) Human Health & Disease (3)
	III	18 TO 23	8	Human Health & Disease (8)
	IV	25 TO 30	8	Human Health & Disease (1) Strategies for Enhancement in Food Production (7)
AUGUST	I	1 TO 6	8	Strategies For Enhancement in Food Production (1) Microbes in Human welfare (7)
	II	8 TO 13	4	Microbes in Human Welfare (3)
	III	15 TO 20	3	Biotechnology -Principles & Processes (3)
	IV	22 TO 27	8	Biotechnology -Principles & Processes (8)

	V	29 TO 31	2	Biotechnology -Principles & Processes (2)
SEPTEMBER	**I**	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Biotechnology-Principles & Processes (2) Biotechnology & Its Application (6)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-1
OCTOBER	**I**	3 TO 8	7	Biotechnology & Its Application (7)
	II	10 TO 15	8	Organisms and Population (7)
	III	17 TO 22	8	Ecosystem (7)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	6	Biodiversity & Conservation (6)
	II	7 TO 12	7	Biodiversity & Conservation (2) Environmental Issues (5)
	III	14 TO 19	8	Environmental Issues (3)
	IV	21 TO 26	8	REVISION
	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

SUBJECT: MATHEMATICS
(CODE NO.:041)

PERIODIC ASSESSMENT	
PART -1	
Sr No.	**Topic**
1	Chapter 1 : Relation and Functions
2	Chapter 2: Inverse Trigonometric Functions
3	Chapter 3:Matrices
PART -2	
4	Chapter 7: Integrals
5	Chapter 8:Application of Integrals

TERM-1	
PART -1	
Sr No.	**Topic**
1	Portion of periodic assessment
2	Chapter 4: Determinants
PART -2	
3	Chapter 9: Differential Equations
4	Chapter 10 : Vectors
5	Chapter 11 :3 Dimensional Geometry

PREBOARDS	
PART -1	
Sr No.	**Topic**
1	Portion of periodic assessment and term 1
2	Chapter 5 : Continuity and Differentiability
3	Chapter 6: Application of Derivatives
PART -2	
4	Chapter 12: Linear Programming
5	Chapter 13 : Probability

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Relation and Functions	11
2	Inverse Trignometric Functions	8
3	Matrices	18
4	Determinants	20
5	Continuity and Differentiabilty	16
6	Application of Derivatives	8
7P -II	Integrals	15
8	Application of Integrals	11
9	Differential Equations	12
10	Vectors	15
11	3 Dimensional Geometry	13
12	Linear Programming	15
13	Probability	20

**Number of Periods are of 30 minutes duration each*

MATHEMATICS SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Relations and Functions (8)
	II	11 to 16	4	Relations and Functions (2) Integrals (2)
	III	18 to 23	8	Integrals (8)
	IV	25 to 30	8	Integrals (5) Application of Integrals (3)
MAY	I	2 TO 7	8	Application of Integrals (8)
	II	9 TO 14	8	Inverse Trigonometric Functions (8)
JUNE	I	1 TO 4	2	Matrices (2)
	II	6 TO 11	8	Matrices (8)
	III	13 TO 18	8	Matrices (8)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	8	Differential Equations (8)
	II	11 TO 16	8	Differential Equations (4) Determinants (4)
	III	18 TO 23	8	Determinants (8)
	IV	25 TO 30	8	Determinants (8)
AUGUST	I	1 TO 6	8	Vectors (8)
	II	8 TO 13	4	Vectors (4)
	III	15 TO 20	3	Vectors (3)
	IV	22 TO 27	8	3 Dimensional Geometry (8)
	V	29 TO 31	2	3 Dimensional Geometry (2)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	3 Dimensional Geometry (3)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-1

OCTOBER	**I**	3 TO 8	7	Continuity and Differentiability (7)
	II	10 TO 15	8	Continuity and Differentiability (8)
	III	17 TO 22	8	Application of Derivatives (8)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	6	Linear Programming (6)
	II	7 TO 12	7	Linear Programming (7)
	III	14 TO 19	8	Probability (8)
	IV	21 TO 26	8	Probability (8)
	V	28 TO 30	4	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: PSYCHOLOGY

(CODE NO.:037)

PERIODIC ASSESSMENT	
Sr .No	**Topic**
1	**UNIT 1:** Variation in psychological Attributes
2	**UNIT 2**: Self and personality
3	**UNIT 3**: Meeting life challenges

TERM – 1	
Sr . No	**Topic**
1	Portion of periodic assessment
2	**UNIT 4**:Psychological Disorders
3	**UNIT 5:**Therapeutic Approaches
4	**UNIT 6 :** Attitude and social cognition

PREBOARDS	
Sr . No	**Topic**
1	Portion of periodic assessment and term 1
2	**UNIT 7** : Social influence and group discussion
3	**UNIT 8** : Psychology and life
4	**UNIT 9** : Developing psychological skills

PRACTICALS

Sr No.	Topic
1	Development of case profile :Using appropriate method like interview , observation and psychological tests .
2	Test administration : Students are required to administer and interpret 5 psychological tests related to various psychological attributes like intelligence , aptitude , personality etc
3	In practical examination , the students will be required to administer and interpret two psychological tests .

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Variations in Psychological Attributes	**20**
2	Self and Personality	24
3	Meeting life Challenges	14
4	Psychological Disorders	24
5	Therapeutic Approaches	20
6	Attitude and Social Cognition	20
7	Social Influence and group processes	22
8	Psychology and life	13
9	Developing psychological skills	13

**Number of Periods are of 30 minutes duration each*

PSYCHOLOGY SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Variations in Psychological Attributes (8)
	II	11 to 16	6	Variations in Psychological Attributes (6)
	III	18 to 23	8	Variation In psychological Attributes (2) Self and personality (6)
	IV	25 to 30	8	Self and Personality (8)
MAY	I	2 TO 7	8	Self and Personality (8)
	II	9 TO 14	8	Self and Personality (2) meeting life challenges (6)
JUNE	I	1 TO 4	2	Meeting life challenges (2)
	II	6 TO 11	8	Meeting life challenges (6) Psychological disorders (2)
	III	13 TO 18	8	Psychological disorders (8)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	5	Psychological disorders (5)
	II	11 TO 16	8	Psychological disorders (8)
	III	18 TO 23	8	Psychological disorders (3) Therapeutic approaches (8)
	IV	25 TO 30	8	Therapeutic approaches (8)
AUGUST	I	1 TO 6	8	Therapeutic approaches (4)
	II	8 TO 13	4	Attitude and social cognition (4)
	III	15 TO 20	8	Attitude and social cognition (8)

	IV	22 TO 27	8	Attitude and social cognition (8)
	V	29 TO 31	2	Social influence and group processes (2)
SEPTEMBER	**I**	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Social influence and group processes (8)
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM-1
OCTOBER	**I**	3 TO 8	8	Social influence and group process (8)
	II	10 TO 15	7	Social influence and group process (4) Psychology and life (3)
	III	17 TO 22	8	Psychology and life (8)
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	8	Psychology and life (3) Developing Psychological skills (5)
	II	7 TO 12	7	Developing psychological skills (7)
	III	14 TO 19	8	REVISION SESSION
	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

SUBJECT: COMPUTER SCIENCE

(CODE NO.:083)

PERIODIC ASSESSMENT	
Sr No.	**Topic**
1	**UNIT 1 : Programming and computational thinking – 2** • Revision of the basics of Python • Functions: scope, parameter passing, mutable/immutable properties of data objects, pass arrays to functions, return values, functions using libraries: mathematical, and string functions. • File handling: open and close a file, read, write, and append to a file, standard input, output, and error streams, relative and absolute paths. • Using Python libraries: create and import Python libraries • Recursion: simple algorithms with recursion: factorial, Fibonacci numbers; recursion on arrays: binary search • Idea of efficiency: performance defined as inversely proportional to the wall clock time, count the number of operations a piece of code is performing, and measure the time taken by a program. Example: take two different programs for the same problem, and understand how the efficient one takes less time. • Data visualization using Pyplot: line chart, pie chart, and bar chart. • Data-structures: lists, stacks, queues

TERM -1	
Sr No.	**Topic**
1	Portion for periodic assessment
2	**UNIT – 2: Computer Networks** • Structure of a network: Types of networks: local area and wide area (web and internet), new technologies such as cloud and IoT, public vs. private cloud, wired and wireless networks; concept of a client and server. • Network devices such as a NIC, switch, hub, router, and access point. • Network stack: amplitude and frequency modulation, collision in wireless networks, error checking, and the notion of a MAC address, main idea of routing. IP addresses: (v4 and v6), routing table, router, DNS, and web URLs, TCP: basic idea of retransmission, and rate modulation when there is congestion (analogy to a road network), Protocols: 2G, 3G, 4G, Wi- Fi. What makes a protocol have a higher bandwidth? • Basic network tools: traceroute, ping, ipconfig, nslookup, whois, speed-test. • Application layer: HTTP (basic idea), working of email, secure communication: encryption and certificates (HTTPS), network applications: remote desktop, remote login, HTTP, FTP, SCP, SSH, POP/IMAP, SMTP, VoIP, NFC.

3	**UNIT 3:Data Management -2** Write a minimal Django based web application that parses a GET and POST request, and writes the fields to a file - flat file and CSV file. Interface Python with an SQL database SQL commands: aggregation functions – having, group by, order by.

PREBOARDS	
Sr No.	**Topic**
1	***Entire course book will be assessed***
2	**UNIT 4: Society , Law and Ethics** • Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy. • Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000. • Technology and society: understanding of societal issues and cultural changes induced by technology. • E-waste management: proper disposal of used electronic gadgets. • Identity theft, unique ids, and biometrics. • Gender and disability issues while teaching and using computers.

PRACTICALS

Programming in Python:
• Recursively find the factorial of a natural number.
• Read a file line by line and print it.
• Remove all the lines that contain the character `a' in a file and write it to another file.
• Write a Python function sin(x, n) to calculate the value of sin(x) using its Taylor series
• expansion up to n terms.

• Compare the values of sin(x) for different values of n with the correct value.
• Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
• Write a recursive code to find the sum of all elements of a list.
• Write a recursive code to compute the n^{th} Fibonacci number.
• Write a Python program to implement a stack and queue using a list data-structure.
• Write a recursive Python program to test if a string is a palindrome or not.
• Write a Python program to plot the function $y = x^2$ using the pyplot or matplotlib libraries.
• Create a graphical application that accepts user inputs, performs some operation on them,
• and then writes the output on the screen. For example, write a small calculator.
• Open a webpage using the urllib library.
• Compute EMIs for a loan using the numpy or scipy libraries.
• Take a sample of 10 phishing e-mails and find the most common words.
Data Management: SQL and web-server
• Find the min, max, sum, and average of the marks in a student marks table.
• Find the total number of customers from each country in the table (customer ID, customer name, country) using group by.
• Write a SQL query to order the (student ID, marks) table in descending order of the marks.
• Integrate SQL with Python by importing the MySQL module
• Write a Django based web server to parse a user request (POST), and write it to a CSV file.

PROJECT

The aim of the class project is to create something that is tangible and useful.
This should be done in groups of 2 to 3 students, and should be started by students at least 6 months before the submission deadline.
The aim here is to find a real world problem that is worthwhile to solve. Students are encouraged to visit local businesses and ask them about the problems that they are facing.

For example, if a business is finding it hard to create invoices for filing GST claims, then students
can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. Students can be extremely creative here. They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, of course to do some of this projects, some additional learning is required; this should be encouraged. Students should know how to teach themselves.

If three people work on a project for 6 months, at least 500 lines of code is expected. The committee has also been made aware about the degree of plagiarism in such projects. Teachers should take a very strict look at this situation, and take very strict disciplinary action against students who are cheating on lab assignments, or projects, or using pirated software to do the same. Everything that is proposed can be achieved using absolutely free, and legitimate open source software.

TOPIC WISE PERIODS

Ln. No.	Topic	Theory periods	practical period
1	Programming and Computational thinking -2	80	70
2	Computer Networks	30	10
3	Data Management - 2	20	20
4	Society, law and Ethics -2	10	0

**Number of Periods are of 30 minutes duration each*

COMPUTER SCIENCE SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Programming and computational thinking (8)
	II	11 to 16	6	Programming and computational thinking (6)
	III	18 to 23	8	Programming and computational thinking (8)
	IV	25 to 30	8	Programming and computational thinking (8)
MAY	I	2 TO 7	8	Programming and computational thinking (8)
	II	9 TO 14	8	Programming and computational thinking (8)
JUNE	I	1 TO 4	2	Programming and computational thinking (2)
	II	6 TO 11	8	Programming and computational thinking (8)
	III	13 TO 18	8	Programming and computational thinking (8)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I
JULY	I	4 TO 9	5	Computer networks (5)
	II	11 TO 16	8	Computer networks (8)
	III	18 TO 23	8	Computer networks (8)
	IV	25 TO 30	8	Computer networks (8)
AUGUST	I	1 TO 6	8	Computer networks(1) Data Management (7)
	II	8 TO 13	4	Data management (4)
	III	15 TO 20	8	Data management (8)
	IV	22 TO 27	8	Data management (1) Society law and ethics (7)
	V	29 TO 31	2	Society law and ethics (2)
SEPTEMBER	I	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	Society law and ethics (2)
	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	8	Society law and ethics (8)
	II	10 TO 15	7	Society law and ethics (1)
	III	17 TO 22	8	

	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	8	
	II	7 TO 12	7	
	III	14 TO 19	8	
	IV	21 TO 26	8	
	V	28 TO 30	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

PHYSICAL EDUCATION

(CODE NO.:048)

PERIODIC ASSESSMENT	
Serial Number	**Topic**
1	**UNIT 1:**Planning in sports
2	**UNIT 2:** Sports and nutrition
3	**UNIT 3:** Yoga and lifestyle
4	**UNIT 4:** Physical Education and sports for children with special needs
5	**UNIT 5:** Children and woman in sports

TERM -1	
Serial Number	**Topic**
1)	Portion of periodic assessment
2)	**UNIT 6 :** Test and measurement in sports
3)	**UNIT 7:** Physiology and injuries In sports
4)	**UNIT 8**:Biomechanics and sports
5)	**UNIT 9:**Psychology and sports

PREBOARDS	
Serial Number	**Topic**
1)	***Entire course book will be assessed***
2)	**UNIT 10**:Training in sports

PRACTICALS

Sr. NO	TOPICS
1	Fitness tests administration for all items.
2	Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
3	Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.
4	Any one game of your choice out of the list above. Labelled diagram of field & equipment (Rules, Terminologies & Skills).

TOPIC WISE PERIODS

Ln. No.	Topic	No. of Periods
1	Planning In sports	7
2	Sports and Nutrition	8
3	Yoga and lifestyle	15
4	Physical education and sports for CWSN	10
5	Children and woman in sports	10
6	Tests and measurement in sports	20
7	Physiology and injuries in sports	10
8	Biomechanics and sports	10
9	Psychology and sports	10
10	Training in sports	15

**Number of Periods are of 30 minutes duration each*

PHYSICAL EDUCATION SYLLABUS DISTRIBUTION

MONTH	Week	Dates	No. of Periods Available(198)	Topic
APRIL	I	4 to 9	8	Planning in sports - 7 Sports and Nutrition -1
	II	11 to 16	6	Sports and nutrition - 6
	III	18 to 23	8	Sports and Nutrition -1 Yoga and lifestyle - 7
	IV	25 to 30	8	Yoga and lifestyle (8)
MAY	I	2 TO 7	8	Physical education and sports for CWSN-8
	II	9 TO 14	8	Physical education and sports for CWSN -2 Children and woman in sports (8)
JUNE	I	1 TO 4	2	Revision session
	II	6 TO 11	8	Children and woman in sports (2) Test and measurement in sports (6)
	III	13 TO 18	8	Test and measurement in sports (8)
	IV	20 TO 25	6	REVISION SESSION
	V	27 TO 30	5	TEST - I

JULY	**I**	4 TO 9	5	Test and measurement in sports (5)
	II	11 TO 16	8	Test and measurement in sports (1) Physiology and injuries in sports (7)
	III	18 TO 23	8	Physiology and injuries in sports (3) Biomechanics and sports (5)
	IV	25 TO 30	8	Biomechanics and sports (5) Psychology and sports (3)
AUGUST	**I**	1 TO 6	8	Psychology and sports (7) Training in sports (1)
	II	8 TO 13	4	Training in sports (4)
	III	15 TO 20	8	Training in sports (8)
	IV	22 TO 27	8	Training in sports (2) practical
	V	29 TO 31	2	
SEPTEMBER	**I**	1 TO 3	0	GANPATI HOLIDAYS
	II	5 TO 10	8	
	III	12 TO 17	8	REVISION SESSION
	IV	19 TO 24	0	TERM -1
	V	26 TO 30	0	TERM- 1
OCTOBER	**I**	3 TO 8	8	
	II	10 TO 15	7	
	III	17 TO 22	8	
	IV	24 TO 29	0	DIWALI VACATION
NOVEMBER	**I**	1TO 5	8	
	II	7 TO 12	7	
	III	14 TO 19	8	
	IV	21 TO 26	8	
	V	28 TO 30	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

Test Series 1

Date	Day	Subject
7th April 2022	Thursday	English
13th April 2022	Wednesday	Physics
21st April 2022	Thursday	Chemistry
28th April 2022	Thursday	Math / Biology
5th May 2022	Thursday	CS / Psychology
12th May 2022	Thursday	P.E

Test Series 2

Date	Day	Subject
14th July 2022	Thursday	Chemistry
21st July 2022	Thursday	Physics
28th July 2022	Thursday	Math / Biology
4th August 2022	Thursday	English
11th August 2022	Thursday	C.S / Psychology
17th August 2022	Wednesday	P.E

PERIODIC TEST - 1

DATE	DAY	SCIENCE
23rd June 2022	Thursday	ENGLISH
24th June 2022	Friday	I.P. / C.S.
27th June 2022	Monday	PHYSICS
28th June 2022	Tuesday	CHEMISTRY
29th June 2022	Wednesday	PHYSICAL EDUCATION
30th June 2022	Thursday	BIOLOGY/ MATH

TERM- 1

DATE	DAY	SCIENCE
21st September 2022	Wednesday	CHEMISTRY
22nd September 2022	Thursday	I.P. / C.S.
23rd September 2022	Friday	MATH
26th September 2022	Monday	PHYSICS
27th September 2022	Tuesday	PHYSICAL EDUCATION
28th September 2022	Wednesday	BIOLOGY
29th September 2022	Thursday	ENGLISH

PRE-BOARD

DATE	DAY	SCIENCE
1st December 2022	Thursday	ENGLISH
2nd December 2022	Friday	MATH
3rd December 2022	Saturday	I.P / C.S
5th December 2022	Monday	CHEMISTRY
6th December 2022	Tuesday	PHYSICS
7th December 2022	Wednesday	BIOLOGY
8th December 2022	Thursday	PHYSICAL EDUCATION

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