

BRILLIANTS' CONVENT

SR. SEC. SCHOOL

RECOGNISED & AFFILIATED TO C.B.S.E.
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HANDBOOK FOR STUDENTS 2025 – 2026

CLASS XII

This Handbook belongs to

Name:

Class: Section: Roll No:

Class Teacher:



VISION

Briliants' Convent shall remain a Unique Educational Centre defined by its core values. With excellence in all our activities of instructing, we are committed to provide the best education in the most cultivable environment so as to empower everyone. Our vision is to prepare global citizens who will become confident, determined and disciplined leaders for tomorrow's challenging world.

MISSION

Briliants' Convent has developed a sustainable, innovative, aspiring learning environment for its pupils, with focus on the three main fundamentals of life-Physical, Mental and Spiritual fitness. We at BCS are equipped with 21st century skills. We aim to create an equitable world for all and live upto our motto of “Learn to Serve” serve for humanity.

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LIST OF HOLIDAYS & VACATIONS

Date & Month	Day	Occasion / Festival
06 April 2025	Sunday	Ram Navami
10 April 2025	Thursday	Mahavir Jayanti
18 April 2025	Friday	Good Friday
12 May 2025	Monday	Buddha Purnima
07 June 2025	Saturday	Eid-ul-Adha*
06 July 2025	Sunday	Muharram
09 August 2025	Saturday	Raksha Bandhan
15 August 2025	Friday	Independence Day
16 August 2025	Saturday	Janmashtami
05 September 2025	Friday	Eid-e-Milad*
29 September 2025 – 01 October 2025	Monday , Tuesday & Wednesday	Dusshera Holidays
02 October 2025	Thursday	Gandhi Jayanti
07 October 2025	Tuesday	Maharishi Valmiki Jayanti
10 October 2025	Friday	Karva Chauth
20 – 21 October 2025	Monday – Tuesday	Deepavali
22 October 2025	Wednesday	Govardhan Puja
23 October 2025	Thursday	Bhai Dooj
05 November 2025	Wednesday	Guru Nanak Jayanti
25 December 2025	Thursday	Christmas
14 January 2026	Wednesday	Makar Sankranti
26 January 2026	Monday	Republic Day
15 February 2026	Sunday	Maha Shivratri
04 March 2026	Wednesday	Holi
20 March 2026	Friday	Eid-ul-Fitr*

* Subject to appearance of the moon

SUMMER BREAK	
Students	16 May 2025 – 30 June 2025
Reopening of School	01 July 2025
Teachers	31 May 2025 – 23 June 2025
Re – Joining	24 June 2025
WINTER BREAK	
Students	29 December 2025 – 07 January 2026
Reopening of School	08 January 2026
Teachers	29 December 2025 – 03 January 2026
Re – Joining	05 January 2026

SYSTEM OF ASSESSMENT

TYPES OF ASSESSMENT AND MARKS DISTRIBUTION

Maximum Marks per Subject	100
Types of Assessment	• Internal Assessment • Year End Examination / Pre-Board Examination • School Based Assessment of Co – Scholastic Areas (Physical & Health Education, Art Education Including Work Experience)

SCHOLASTIC AREA – PART A

Term – Wise Weightage of Marks of Class XI

Subjects & Type of Assessment	First Term Exam Max. Marks	Annual Examination Max. Marks	Total Marks
Subjects involving Practical	Theory – 20 Practical – 10	Theory – 50 Practical – 20	Theory – 70 Practical – 30
Subjects involving Project/ Internal Assessment	Theory – 30 Proj./ Int. Assess. – 10	Theory – 50 Proj./ Int. Assess. – 10	Theory – 80 Proj./ Int. Assess. – 20

SYLLABUS COVERAGE

Class	Special Examination	Unit Test 1	Term 1 Examination	Unit Test 2 / Pre Board I Examination	Year End / Pre Board II Examination
XI	--	Syllabus Covered Till Announcement of Test Date	Syllabus Covered Till Month of August	Syllabus Covered Till Announcement of Test Date	Entire syllabus
XII	Syllabus Covered Till Announcement of Test Date	Syllabus Covered Till Announcement of Test Date	Syllabus Covered Till Month of August	Entire syllabus	Entire syllabus

GRADING SCALE

(Grades will be awarded as per the following Grading Scale:-)

For Scholastic Area – Part A		For Co – Curricular Activities		For Co – Scholastic Area – Part B	
Marking	Grade	S.No.	Activities	Grade	Activities
91 – 100	A1	1	Work Education (Social, Economic, Welfare Activities)	A	Exemplary
81 – 90	A2	2	Art Education (Visual & Performing)	B	Proficient
71 – 80	B1	3	Physical & Health Education	C	Developing
61 – 70	B2			D	Emerging
51 – 60	C1			E	Beginner
41 – 50	C2				
33 – 40	D				
32 & Below	E (Failed)				

SCHEDULE OF EXAMINATION

SPECIAL EXAMINATION		
DATE & DAY	X	XII
24 June 2025, Tuesday	S.Science	Maths / IP
25 June 2025, Wednesday	English	Physical Edu.
26 June 2025, Thursday	Science	Bio. / CS / Eco.
27 June 2025, Friday	Hindi	English
28 June 2025, Saturday	Computer	Chem. /B.St. / Pol. Sci.
30 June 2025, Monday	Maths	Phy. / Accts. / Hindi

PRE – MID / PERIODIC 1 / U.T 1							
DATE & DAY	VI	VII	VIII	IX	X	XI	XII
21 July 2025, Monday	S.Science	Science	Maths	S.Science	Maths	Chem. /B.St. / Pol.Sci.	Bio. / CS / Eco.
22 July 2025, Tuesday	Hindi	English	Sanskrit	Hindi	English	Physical Edu.	English
23 July 2025, Wednesday	Science	Sanskrit	Hindi	Science	Computer	Phy. / Accts. / Hindi	Chem. / B.St. / Pol.Sci.
24 July 2025, Thursday	English	Maths	S.Science	English	Science	English	Physical Edu.
25 July 2025, Friday	Sanskrit	Hindi	English	Computer	Hindi	Bio. / CS / Eco.	Maths / IP
28 July 2025, Monday	Maths	S.Science	Science	Maths	S.Science	Maths / IP	Phy. / Accts. / Hindi

MID – TERM / 1st TERMINAL EXAMINATION

DATE & DAY	VI	VII	VIII	IX	X	XI	XII
10 September 2025 Wednesday	Computer	G.K/Moral Science	Art	-	-	-	-
11 September 2025 Thursday	G.K/Moral Science	Art	Computer	-	-	-	-
12 September 2025 Friday	Art	Computer	G.K/Moral Science	-	-	-	-
18 September 2025 Thursday	S.Science	Science	Maths	S.Science	Maths	Chem. /B.St. / Pol. Sci.	Bio. / CS / Eco.
20 September 2025 Saturday	Hindi	English	Sanskrit	English	Computer	Physical Edu.	English
23 September 2025 Tuesday	Sanskrit	Hindi	English	Computer	English	Maths / IP	Phy. / Accts. / Hindi
25 September 2025 Thursday	English	Sanskrit	Hindi	Hindi	Science	English	Physical Edu.
27 September 2025 Saturday	Maths	S.Science	Science	Science	Hindi	Bio. / CS / Eco.	Chem. / B.St. / Pol.Sci.
03 October 2025 Friday	Science	Maths	S.Science	Maths	S.Science	Phy. / Accts. / Hindi	Maths / IP

POST – MID / PERIODIC 2 / U.T 2					
DATE & DAY	VI	VII	VIII	IX	XI
17 November 2025, Monday	S.Science	Science	Maths	Science	Chem. / B.St. / Pol.Sci.
18 November 2025, Tuesday	Hindi	English	Sanskrit	English	Bio. / CS / Eco.
19 November 2025, Wednesday	Sanskrit	Hindi	English	S.Science	Physical Edu.
20 November 2025, Thursday	English	Sanskrit	Hindi	Hindi	Maths / IP
21 November 2025, Friday	Science	Maths	S.Science	Computer	English
24 November 2025, Monday	Maths	S.Science	Science	Maths	Phy. / Accts. / Hindi

FIRST PRE - BOARD			SECOND PRE - BOARD		
DATE & DAY	X	XII	DATE & DAY	X	XII
17 November 2025, Monday	S.Science	Maths / IP	05 January 2026, Monday	S.Science	Maths / IP
19 November 2025, Wednesday	English	Physical Edu.	06 January 2026, Tuesday	Computer	English
21 November 2025, Friday	Computer	Chem. /B.St. / Pol.Sci.	07 January 2026, Wednesday	English	Physical Edu.
24 November 2025, Monday	Maths	Phy. / Accts. / Hindi	08 January 2026, Thursday	Hindi	Chem. / B.St. / Pol.Sci.
26 November 2025, Wednesday	Science	Bio. / CS / Eco.	09 January 2026, Friday	Science	Bio. / CS / Eco.
28 November 2025, Friday	Hindi	English	12 January 2026, Monday	Maths	Phy. / Accts. / Hindi

ANNUAL EXAMINATION			
DATE	VI	VII	VIII
23 February 2026, Monday	G.K/Moral Science	Art	Computer
24 February 2026, Tuesday	Art	Computer	G.K/Moral Science
25 February 2026, Wednesday	Computer	G.K/Moral Science	Art
28 February 2026, Saturday	Maths	S.Science	Science
03 March 2026, Tuesday	English	Hindi	Maths
06 March 2026, Friday	Sanskrit	English	Hindi
09 March 2026, Monday	Science	Maths	S.Science
11 March 2026, Wednesday	Hindi	Sanskrit	English
13 March 2026, Friday	S.Science	Science	Sanskrit
ANNUAL EXAMINATION			
DATE	IX	XI	
16 February 2026, Monday	S.Science	Maths / IP	
18 February 2026, Wednesday	Computer	Physical Education	
20 February 2026, Friday	Science	Bio. / CS / Eco.	
23 February 2026, Monday	Maths	Phy. / Accts. / Hindi	
25 February 2026, Wednesday	Hindi	English	
27 February 2026, Friday	English	Chem. / B.St. / Pol.Sci.	

PTM SCHEDULE

MONTH	CLASS
May 2025	Class VI – XII
July 2025	Class XI & XII (Open House Meet)
August 2025	Class VI – XII
October 2025	Class VI – XII
December 2025	Class VI – XII
February 2026	Class VI – XII
March 2026	Class VI – XII

EXAMINATIONS

EXAMINATION	CLASSES	DATES
Special Examination	X & XII	24 June 2025 – 30 June 2025
Pre – Mid Term	VI – XII	21 July 2025 – 28 July 2025
Mid – Term	VI – XII	10 Sep 2025 – 03 Oct 2025
Post – Mid Term	VI – IX & XI	17 Nov 2025 – 24 Nov 2025
Annual Examination	VI – VIII	23 Feb 2026 – 13 March 2026
	IX & XI	16 Feb 2026 – 27 Feb 2026
Pre – Board Exams I	X, XII	17 Nov 2025 – 28 Nov 2025
Pre – Board Exams II	X, XII	05 Jan 2026 – 12 Jan 2026

TENTATIVE DATES FOR OLYMPIAD

SNo	Olympiad	First Date	Second Date	Last Date of Registration
1	Quest Colouring Olympiad	15-07-2025	21-07-2025	04-07-2025
2	16 th International Commerce Olympiad	14-11-2025	-	09-10-2025
3	International Hindi Olympiad	04-08-2025	-	21-07-2025

SOF WORLD OLYMPIADS

The schedule of examination is as under:

Olympiad	Date
SOF – IGKO	08-10-2025
SOF – IEO	11-11-2025
SOF – IMO	12-12-2025
SOF – NSO	27-11-2025
SOF – ISSO	20-11-2025
SOF – ICSO	22-01-2026

REMEDIAL CLASSES SCHEDULE

(TIMINGS 2:00 PM – 3:00 PM)

Days	Class VI-VIII	Class IX-X	Class XI-XII
Monday	English	Maths	Phy. / Accts. / Hindi
Tuesday	Hindi	Social Science	Chem. / B.St. / Pol. Sci.
Wednesday	Maths	English	Bio. / CS / Eco.
Thursday	Science	Hindi	Maths / IP
Friday	Social Science	Science	English

RECOMMENDED BOOKS FOR READING

CLASS	BOOKS
VI	Oliver Twist – Charles Dickens India Fascinating & Fun Facts – Vaijayanti Savant Tonpe India in Space – Ashish Verma A Tale of Two Rabbits – Rajan Sundram Mohan
VII	Great Expectations – Charles Dickens Kidnapped – Robert Louis Stevenson Growing up with Trees – Ruskin Bond Stories from Bapu's Life – Shankar Uma Joshi
VIII	Lost in Snow – Holly Webb The Bird with Golden Wings – Sudha Murthy Birju's Problem – Sona Kanishk A Visit to Kumbhy – Anita Jain Bhatnagar
IX	Wise & Otherwise – Sudha Murthy The Great River Magic – Nandini Nayar The 13 yr Old Queen and her Destiny Inherited – Aashish Chakraborty Dear Father – Bhabendranath Saikia
X	Reignited Scientific Pathways to Brighter – A.P.J Abdul Kalam Lockdown – Tales (Bobby Ghatak) The Highway – Prashant Pathak Relativity – Elbert Einstein Rich Dad & Poor Dad – Robert T. Kyosaki
XI	Forever Friends – Charjee Bhatta Rage how Much Can a Person Hold Himself – Amrut Gaja Wada Three Days to Disaster – Deepa Aggarwal The Mistake I Never Forget – Karthick Hemabushanama
XII	Chanakya Neeti – Chanakya Sutra You Can Achieve More – Shiv Khera Life of Pi – Yann Martel What About Passion – Priya Dalvi

BULLETIN BOARD PLAN

THEME – BRILLIANTIAN VALUES: BUILDING A BETTER WORLD

Month	GOAL / THEME	CLASS	SECTION
April	Integrity: Doing the Right Thing	VI – XII	A
			B
			C
May	Curiosity: The Joy of Learning	VI – XII	A
			B
			C
July	Sustainability: Caring for Our Planet	VI – XII	A
			B
			C
August	Courage: Standing up for What's Right	VI – XII	A
			B
			C
September	Responsibility: Owning Our Actions	VI – XII	A
			B
			C
October	Respect: Embracing Differences	VI – XII	A
			B
			C
November	Kindness: Making the World Better	VI – XII	A
			B
			C
December	Peace: Spreading Harmony	VI – XII	A
			B
			C
January	Perseverance: Never Give Up	VI – XII	A
			B
			C
February	Communication: Expressing with Impact	VI – XII	A
			B
			C

ASSEMBLY PLAN

DATE	DAY	CLASS	ASSEMBLY THEME
02 April 2025	Wednesday	X	WELCOME ASSEMBLY
03 April 2025	Thursday	IX	WORLD HEALTH DAY
09 April 2025	Wednesday	XII	IMPORTANCE OF TIME MANAGEMENT
16 April 2025	Wednesday	VII	LEADERSHIP & RESPONSIBILITY
17 April 2025	Thursday	VIII	WORLD HERITAGE DAY
23 April 2025	Wednesday	IX	IMPORTANCE OF READING (WORLD BOOK DAY)
24 April 2025	Thursday	X	POWER OF POSITIVE THINKING
30 April 2025	Wednesday	XII	HEALTHY HABITS
01 May 2025	Thursday	VI	LABOUR DAY – RESPECT FOR ALL PROFESSIONS
07 May 2025	Wednesday	IX	OVERCOMING CHALLENGES
08 May 2025	Thursday	X	MOTHERS' DAY
02 July 2025	Wednesday	VI	MAKE A NOISE ABOUT BULLYING
03 July 2025	Thursday	VII	IMPORTANCE OF KINDNESS
09 July 2025	Wednesday	VIII	THE POWER OF POSITIVE THINKING
10 July 2025	Thursday	IX	GENDER EQUALITY
16 July 2025	Wednesday	X	CLEAN WATER AND SANITATION
17 July 2025	Thursday	XI	HONESTY & TRUTHFULNESS
23 July 2025	Wednesday	VI	IMPORTANCE OF TEAM WORK
24 July 2025	Thursday	VII	FRIENDSHIP & LOYALTY
30 July 2025	Wednesday	VIII	VALUE OF HONESTY
31 July 2025	Thursday	IX	DIGITAL SAFETY & MODERN TECHNOLOGY
06 August 2025	Wednesday	X	IMPORTANCE OF PATIENCE IN LIFE
07 August 2025	Thursday	XI	HEALTH AND WELLNESS
13 August 2025	Wednesday	XII	GLOBALIZATION
14 August 2025	Thursday	VI	INDEPENDENCE DAY
20 August 2025	Wednesday	VII	RESPECT FOR ELDERS
21 August 2025	Thursday	VIII	WONDERS OF SCIENCE
27 August 2025	Wednesday	IX	FORGIVENESS & GRATITUDE

28 August 2025	Thursday	X	SOCIAL RESPONSIBILITY
03 September 2025	Wednesday	XI	GOAL SETTING AND MOTIVATION
04 September 2025	Thursday	VI	TEACHERS' DAY
10 September 2025	Wednesday	VII	VALUE OF EDUCATION
11 September 2025	Thursday	VIII	POWER OF POSITIVE THINKING
08 October 2025	Wednesday	IX	CLIMATE ACTION
09 October 2025	Thursday	XI	WORLD MENTAL HEALTH DAY
15 October 2025	Wednesday	XII	BOOKS: OUR GOOD FRIENDS
16 October 2025	Thursday	VI	UNITY IN FESTIVALS
29 October 2025	Wednesday	VIII	ROLE OF TECHNOLOGY IN OUR LIVES
30 October 2025	Thursday	IX	RESPECT AND TOLERANCE
06 November 2025	Thursday	X	RULES FOR SUCCESS
12 November 2025	Wednesday	XI	CREATIVITY & INNOVATION
13 November 2025	Thursday	XII	HARDWORK & SUCCESS
19 November 2025	Wednesday	VI	GLOBAL CITIZENSHIP
20 November 2025	Thursday	VII	BEING POSITIVE
26 November 2025	Wednesday	VIII	CONSTITUTION DAY: RIGHTS & DUTIES
27 November 2025	Thursday	VIII	FACING FEAR WITH COURAGE
03 December 2025	Wednesday	X	TEAMWORK & COLLABORATION
04 December 2025	Thursday	XI	HUMAN RIGHTS AWARENESS
10 December 2025	Wednesday	XII	COMMUNICATION SKILLS
11 December 2025	Thursday	VI	RESPECT & RESPONSIBILITY
17 December 2025	Wednesday	VII	INTERNET LITERACY
18 December 2025	Thursday	VIII	SPIRIT OF GIVING
24 December 2025	Wednesday	X	VALUE OF GRATITUDE
21 January 2026	Wednesday	XI	HARDWORK IS THE BEST INVESTMENT WHICH NEVER FAILS
22 January 2026	Thursday	VI	LEADERSHIP & MOTIVATION
28 January 2026	Wednesday	VII	UNITY IN DIVERSITY
29 January 2026	Thursday	VIII	EXAM PRESSURE & WAYS TO DEAL WITH IT

ACADEMIC ACTIVITIES

CBSE Activities :

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|--|-----------------------|
| • Expression Series | April 2025 |
| • Budding Authors Programme | May – September 2025 |
| • National Reading Day | June 2025 |
| • Celebration of International Day of Yoga | June 2025 |
| • Aryabhata Ganit Challenge | July – August 2025 |
| • CBSE Reading Challenge | July – September 2025 |
| • CBSE Games Competition | July – September 2025 |
| • Heritage India Quiz | July – December 2025 |
| • Story Telling Competition | September 2025 |
| • Expression Series | October 2025 |

Science Activities

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|--------------------------|---------------------------|
| • CBSE Science Challenge | April – May 2025 |
| • Science Exhibition | September – December 2025 |
| • Nayi Udaan Magazine | Quarterly |

MVPP Exam Details (Issuance of Performa 'A')

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|-------------|---------------|
| • MVPP Exam | November 2025 |
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Date of Examinations

- | | |
|-------------|---------------|
| • MVPP Exam | February 2026 |
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Eco Club Activities :

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|---|---------------|
| • Sapling (Plantation Drive) | July 2025 |
| • Celebration of Eco week | July 2025 |
| • Nukkad Natak | August 2025 |
| • Swachh Bharat Abhiyan
(Cleanliness Drive) | October 2025 |
| • Field Visit to Important Environmental Sites | November 2025 |
| • Organization of Seminar on
Environmental Awareness | January 2026 |

Co – SCHOLASTIC ACTIVITY PLAN

Classes/ Themes	April Literary Canon	May Respecting Elders	July वसुंधरा	August जज़्बा-ए-वतन
VI – VIII	• Crossword Puzzle • Literary Run • English Poem Recitation Competition	• Poetry Recitation • Celebrating 'Wisdom' (Cards for Elders' wise advices)	• Poster Making Competition • Fancy Dress (Best Out of Waste) • Bookmark Making – Kalam's Vision	• Battle of Words (Extempore) • Patriotic Dance
IX – XII	• Crossword Puzzle • English Poetry Recitation • Talk Show	• Declamation • 'We owe you...' (Session by students for Parents/ elders)	• Plantation Drive • Just –a– minute	• Poetry Recitation • Folder designing – A tribute to Kalam
Special Days	• Shakespeare Day • ATL Community Day • Earth Week	• Labour's Day • Mother's Day • National Technology Day	• Holidays Homework Exhibition 'Prayas' • Math 2.0 Day	• Independence Day Celebration
Classes/ Themes	September Gratitude	October आनंदोत्सव	November धरोहर	December स्पर्दन
VI – VIII	• Grandiose Gratitude (Dance Competition) • Art Competition	• Mythological Masquerade (Ramp Show) • Instrumental Music Competition	• Cultural Food Fest • Sports Activities • Sci-Spell O Mania	• Care & Share • Battle of Expressions (Famous plays on gender equality)
IX – XII	• Grateful Letters (Thanking the well wishers) • Art Competition	• Science Exhibition • Instrumental Music Competition	• Sports Activities	• Care & Share • Visit to Cheshire home, old age home • Battle of Expressions (Famous plays on gender equality)
Special Days	• Teachers Day Celebration • हिंदी दिवस	• Diwali Celebration	• Children's Day	• Christmas Carnival
Classes/ Themes	January Rights and Duties	February Zeal & Zeal		
VI – VIII	• Debate • Quiz	• Spell Bee • Fancy Dress		
IX – XII	• Debate • Quiz	• Spell Bee • Movie Making Competition (Evolution of Indian Cultural Heritage) • Science Day'		
Special Days	• Martyr's Day	• Science Day 'Science for the People and People for Science'		

Monthly Plan

TERM – I

SUBJECTS	APRIL	MAY	JULY	AUGUST
ENGLISH	Flamingo – L-1 The Last Lesson L-2 The Lost Spring Poetry – P-1 My Mother at Sixty-Six Vistas – L-1 The Third Level Writing – Notice	Flamingo – L-3 Deep Water L-4 The Rattrap Poetry – P-3 Keeping Quiet Vistas – L-2 The Tiger King Writing – Invitation , Replies to Invitation	Flamingo – L-5 Indigo L-6 Poets and Pancakes Poetry – P-4 A Thing of Beauty Vistas – L-3 Journey to the End of the Earth L-4 The Enemy L-6 On the Face of It Writing – Letter Writing (Editors & Situation Based)	Flamingo – L-7 The Interview I & II Poetry – P-5 A Roadside Stand Writing – Article Writing , Job Application , Letter to the Editor
PHYSICS	Ch-1 Electric charges and fields Ch-2 Electrostatic potential & capacitance Practical – 1. To determine resistivity of a given two wire by plotting a graph of potential difference vs current 2. To find resistance of a given wire metre bridge and hence determine the specific resistance of its material. 3. To verify the laws of combination (series/ Parallel) of resistances using a metre bridge. Activity: 1. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.	Ch-3 Current electricity Ch-4 Moving charges and magnetism Ch-5 Magnetism & matter Practical – 1. To convert the given galvanometer into a voltmeter of desired range and to verify the same. 2. To determine resistance of a galvanometer by half deflection method and to find its figure of merit.	Ch-5 Magnetism & matter (continue) Ch-6 Electromagnetic induction Ch-7 Alternating current Ch-8 Electromagnetic waves Practical – 1. To find the value of (v) for different values of (u) in case of a concave mirror and to find focal length (f). 2. To find the focal length of a convex lens by plotting graphs between (u) and (v) or between (1/u) and (1/v). Activity: 1. To assemble the components of a given electrical circuit.	Ch-11 Dual nature of radiation & matter Ch-12 Atoms Ch-13 Nuclei Ch-14 Semiconductor electronics: Materials, devices and simple circuits. Practical – 1. To find the focal length of a convex mirror, using a convex lens. 2. To find the focal length of a concave lens using a convex lens. 3. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
CHEMISTRY	Ch-2 Electrochemistry Practical – 1. Salt analysis 2. Chromatography determination of R _f values (distance values may be provided). Surface Chemistry – 1. Preparation of one lyophilic and one lyophobic sol - starch, egg albumin and gum	Ch-3 Solution Practical – 1. Test for the functional groups present in organic compounds 2. Preparation of Organic Compounds Preparation of any one of the following compounds i) Acetanilide ii) Di -benzalAcetone iii) p-Nitroacetanilide	Ch-4 Chemical Kinetics Ch-10 Haloalkanes and Halo Arenes Practical – 1. Determination of one cation & one anion in a given salt 2. Preparation of Inorganic Compounds 3. Preparation of double salt of Ferrous Ammonium Sulphate or	Ch-11 Alcohols Phenols , Ether Ch-12 Aldehydes , ketones and carboxylic acid Practical – 1. Characteristic tests of carbohydrates, fats & proteins in pure samples & their detection in given food stuff. 2. Determination of

	2. Preparation of one lyophobic sol– Ferric hydroxide	INVESTIGATORY PROJECT Scientific investigations involving laboratory testing and collecting information from other sources A few suggested Projects. • Study of the presence of oxalate ions in guava fruit at different stages of ripening. • Study the quantity of casein present in different samples of milk. • Preparation of soybean milk and its comparison with natural milk with respect to curd formation, the effect of temperature, etc. • Study of the effect of Potassium Bisulphate as a food preservative under various conditions (temperature, concentration, time, etc.) • Study of digestion of starch by salivary amylase and effect of pH and temperature on it. • Comparative study of the rate of fermentation of the following materials: wheat flour, gram flour, potato juice, carrot juice, etc. • Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom). • Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper. Note: Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.	Potash Alum 4. Preparation of Potassium Ferric Oxalate	molarity of KMnO_4 solution by titrating it against a standard solution of (i) Oxalic acid (ii) Ferrous ammonium sulphate
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BIOLOGY	Ch-4 Principles of inheritance and variation <u>Practical and spotting -</u> 1. Isolation Of DNA 2. Prepare a temporary mount of onion root tip to study mitosis 3. Flower adapted to pollination by different agencies 4. Meiosis in onion Bud cell or Grasshopper testis through permanent slides	Ch- 5Molecular basis of inheritance <u>Practical and spotting -</u> 1. Mendellian Inheritance during using seeds of different color /sizes Of any plant 2.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.	Ch-1Sexual Reproduction in flowering plants Ch-2Human Reproduction Ch-3 Reproductive Health <u>Practical and spotting -</u> 1.Prepration of Gamete development i.e.T.S. of testis,T.s. of ovary through Permanent slides 2.T.S. of blastula through permanent slides (Mammalian). 3.Controlled pollination - emasculation, tagging andbagging. that they cause. 3.Flash cards showing examples of homologous and analogous organs 4.Model specimen showing symbiotic association in root nodule of leguminous plant cuscuta on host lichen	Ch-7 Evolution
MATHEMATICS	Ch-1 Inverse Trigonometry Ch-2 Matrices Ch-3 Determinant	Ch-4 Differentiability & Continuity Ch-5 Application of derivatives	Ch-5 Application of derivatives Ch-6 Integration Ch-7 Area under curve	Ch-8 Differential equation Ch-9 Vectors Ch-10 Linear Programming Ch-14 Relation & Functions
ACCOUNTANCY	<u>Part I –</u> Ch-1 Accounting for partnership firms – fundamentals Ch-2 Goodwill – Nature & valuation Ch-3 Change in profit sharing ratio among existing partners	<u>Part I –</u> Ch-4 Admission of a partner Ch-5 Retirement of a partner Ch-6 Death of a partner	<u>Part I –</u> Ch-7 Dissolution of a Partnership Firm <u>Part II –</u> Ch-1 Accounting for share capital	<u>Part II –</u> Ch-2 Accounting for debentures <u>Part III –</u> Ch-1 Financial statements of a company Ch-2 Financial statement analysis
ECONOMICS	<u>Indian Economic Development –</u> Ch-1 Indian Economy on the Eve of Independence Ch-2 Indian Economy (1950-1990) Ch-3 Liberalisation, Privatisation, Globalisation: An appraisal	<u>Macroeconomics –</u> Ch-1 Circular Flow of Income Ch-2 Basic Concepts of Macroeconomics Ch-3 National Income & Related Aggregates Ch-4 Measurement of National Income	<u>Macroeconomics –</u> Ch-5 Money Ch-6 Banking Ch-10 Government Budget & The Economy <u>Indian Economic Development –</u> Ch-5 Human Capital Formation Ch-6 Rural Development	<u>Macroeconomics –</u> Ch-11 Foreign Exchange Rate Ch-12 Balance of Payments <u>Indian Economic Development –</u> Ch-7 Employment Ch-9 Environment and Sustainable development Ch-10 Comparative Development Experiences of India and it's Neighbours
BUSINESS STUDIES	<u>Part A -</u> Unit 1- Nature & significance of management Unit 2- Principles of management	<u>Part A -</u> Unit 3- Business environment Unit 4 – Planning Unit 5 – Organising	<u>Part A -</u> Unit 6- Staffing Unit 7- Directing Unit 8- Controlling	<u>Part B -</u> Unit 11- Marketing Management Unit 12- Consumer protection

POLITICAL SCIENCE	Ch- The End of Bi Polarity Ch- Challenges of Nation Building Ch- Planned Development	Ch- New Centres of Powers Ch- India's Foreign Policy Ch- Contemporary South Asia	Ch- United Nations & Its Organizations Ch- Parties & Party System in India Ch- Security in Contemporary World	Ch- Democratic Resurgence Ch- Environment & Natural Resources Ch- Regional Aspirations
HINDI	<u>अंतरा - काव्य - आधुनिक खंड -</u> पाठ-1 जयशंकर प्रसाद साहित्यिक परिचय क) कार्नेलिया का गीत ख) देवसेना का गीत पाठ-2 सूर्यकांत त्रिपाठी निराला साहित्यिक परिचय सरोज स्मृति <u>अंतरा - गद्य -</u> पाठ-1 रामचंद्र शुक्ल साहित्यिक परिचय 'प्रेमघन की छाया स्मृति' पाठ-2 पंडितचंद्रधर शर्मागुलेरी साहित्यिक परिचय 'सुमिरिनी के मनके' <u>अंतराल -</u> पाठ-1 'सूरदास की झोंपड़ी प्रेमचंद <u>निबंध-</u> भारत की वैज्ञानिक प्रगति से संबंधित	<u>अंतरा - काव्य -</u> पाठ-3 सच्चिदानंद हीरानंद वात्सायन अज्ञेय (क) यह दीप अकेला (ख) मैने देखा एक बूँद पाठ-4 केदारनाथ सिंह साहित्यिक परिचय (क) बनारस (ख) दिशा <u>अंतरा - गद्य -</u> पाठ-3 फणीश्वर नाथ 'रेणु' साहित्यिक परिचय 'संवदिया' <u>अंतराल -</u> पाठ-2 बिस्कोहर की माटी अपठित काव्यांश अपठित गद्यांश <u>अभिव्यक्ति और माध्यम</u> विभिन्न माध्यमों के लिए लेखन <u>निबंध -</u> विद्यार्थी और युवा पीढ़ी से संबंधित	<u>अंतरा - काव्य -</u> पाठ-5 रघुवीर सहाय साहित्यिक परिचय (क) तोड़ो (ख) वसंत आया <u>अंतरा - गद्य -</u> पाठ-4 भीष्म साहनी साहित्यिक परिचय गांधी, नेहरू और यास्सर अराफात पाठ-5 असगर वजाहत - साहित्यिक परिचय - शेर, पहचान, चार हाथ, साझा <u>अभिव्यक्ति और माध्यम</u> पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया कैसे बनती है कविता <u>निबंध -</u> नैतिक शिक्षा पर आधारित ज्वलंत समस्याओं पर आधारित अपठित गद्यांश एवं पद्यांश	<u>अंतरा- काव्य-</u> प्राचीन पाठ-6 तुलसीदास - साहित्यिक परिचय (क) भरत - राम का प्रेम (ख) पद पाठ-7 मलिक मुहम्मद जायसी- साहित्यिक परिचय बारहमासा <u>अंतरा - गद्य-</u> पाठ-6 निर्मल वर्मा- साहित्यिक परिचय 'जहाँ कोई वापसी नहीं' पाठ-7 ममता कालिया- साहित्यिक परिचय 'दूसरा देवदास' <u>अंतराल -</u> पाठ-3 'अपना मालवा- खाऊ उजाड़ सभ्यता में- प्रभाष जोशी <u>अभिव्यक्ति और माध्यम</u> <u>नाटक लिखने का व्याकरण</u> कैसे लिखें कहानी <u>निबंध -</u> नारी विषयक, सामान्य विषयों पर आधारित
PHYSICAL EDUCATION	Ch-1 Planning in sports Ch-3 Yoga & Lifestyle	Ch-5 Children & women in sports Ch-6 Test & measurement in sports	Ch-2 Sports & Nutrition Ch-4 Physical Education & Sports for CWSN (Children with special needs - Divyang)	Ch-7 Physiology & injuries in sports Ch-8 Biomechanics & ports
INFORMATICS PRACTICES	Ch Data Handling Using Pandas - I Ch Data Handling Using Pandas - II	Ch MySQL Revision Tour Ch Querying using SQL	Ch Plotting using Pyplot Ch MySQL Functions Ch MySQL Joins	Ch Importing/ Exporting Data between CSV files Ch Introduction to Computer Networks Ch Introduction to Internet & Web
COMPUTER SCIENCE	Ch Python Revision Tour I Ch Python Revision Tour II Ch Working with Functions Ch File Handling	Ch Relational Databases Ch Simple Queries in MySQL Ch Table Creation & Data Manipulation Commands Ch Grouping Records, Joins in SQL	Ch Data Structure in Python - Stack Ch Communication & Network Concepts	Ch Interface Python with MySQL

September – Revision and First Terminal Examination

TERM – II

SUBJECTS	OCTOBER	NOVEMBER	DECEMBER	JANUARY
ENGLISH	Flamingo – L-8 Going Places Poetry – P-6 Aunt Jennifer's Tiger Vistas – L-8 Memories of Childhood (Both parts) Writing – Report Writing	REVISION FOR PRE – BOARD EXAMINATION		
PHYSICS	Ch-9 Ray optics and optical instruments Ch-10 Wave optics Practical – 1. To draw the I – V characteristics curve of a p – n function in forward bias and reverse bias. Activities – 1. To study the effect of intensity (by varying distance of the source) on an LDR. 2. To identify a diode, an LED a transistor and IC, a resistor and a capacitor from mixed collection of such items.			
CHEMISTRY	Ch-8 d and f Block Elements Ch-9 Coordination Compounds Ch -13 Amines Ch -14 Biomolecules Practical Tests for the functional groups present in organic compounds: 1. Alcoholic and Carboxylic groups. 2. Aldehydic and Ketonic 3. D Characteristic tests of carbohydrates and proteins in the given Foodstuffs. 4. Preparation of Inorganic Compounds- Potash Alum			
BIOLOGY	Ch-7 Human Health & Diseases Ch-8 Microbes in Human Welfare Ch-9 Principles and processes Ch-10 Application of biotechnology in health and agriculture Ch-11 Organism & Population Ch-12 Ecosystem Ch-13 Biodiversity & Conservation Practical – 1. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases 2. Study the plant population density by gradient method 3. Study the plant population frequency by quadrant Method			
MATHEMATICS	Ch-11 Probability Ch-12 Three dimensional geometry Ch-13 Relation and function			
ACCOUNTANCY	Part III Ch-3 Comparative & Common Size Statement Ch-4 Accounting Ratios Ch-5 Cash flow statement			

ECONOMICS	Macroeconomics – Ch-7 Aggregate Demand & Related Concepts Ch-8 Determination of Income and Employment Ch-9 Excess Demand & Deficient Demand	
BUSINESS STUDIES	Part B – Unit 9 – Financial Management Unit 10 – Financial Market	
POLITICAL SCIENCE	Ch- Globalization Ch- Indian Politics Recent Trends & Development	
HINDI	अंतरा – काव्य – पाठ-8 विद्यापति पद पाठ-9 घनानन्द – साहित्यिक परिचय कवित्त काव्य सौंदर्य/शिल्प-भाव सौंदर्य (अभ्यास), पद्यों की सप्रसंग व्याख्या अंतरा – गद्य – पाठ-8 हजारी प्रसाद द्विवेदी- साहित्यिक परिचय 'कुटज' अभिव्यक्ति और माध्यम – नए और अप्रत्याशित विषयों पर लेखन अपठित गद्यांश एवं पद्यांश निबंध – प्राकृतिक आपदा संबंधी साहित्यिक विषयों पर आधारित सूक्तिपरक भारतीय संस्कृति – विविधता में एकता (विशेषताएँ)	पुनरावृत्ति कार्य – अभिव्यक्ति और माध्यम – लघु प्रश्न (अभ्यास) पाठों से संबंधित नैतिक मूल्यों पर आधारित लघु प्रश्नों का अभ्यास। निबंध और पत्र लेखन अभ्यास पुनरावृत्ति कार्य – अंतरा-गद्य- गद्यांशों की सप्रसंग व्याख्या पुनरावृत्ति कार्य – अंतराल के पाठों की पुनरावृत्ति
PHYSICAL EDUCATION	Ch-9 Psychology & sports Ch-10 Training in sports	REVISION FOR PRE – BOARD EXAMINATION
INFORMATICS PRACTICES	Ch Societal Impacts Ch Data Protection	
COMPUTER SCIENCE	Ch MySQL Functions	

February & March – Revision and Pre-Board Examination

ACTIVITY PLAN

Date & Month	Activities
10 May 2025	Earth Day/ Mother's Day Celebration
04 July 2025	Polling Day
07 –11 July 2025	Ecology Week (VI – XII)
11 July 2025	Oath Taking Ceremony
18 July 2025	Maths & Science Quiz (IX –XII)
14 August 2025	Independence Day Celebration
21 August 2025	Shark Tank BCS (Commerce Department – Class XI & XII)
04 September 2025	Teacher's Day Celebration
04 or 06 October 2025	Summer Picnic (VI – XII)
17 October 2025	Diwali Celebration (Rangoli Competition, Class Decoration Competition etc.)
04 November 2025	Special Assembly (Guru Parv)
11 – 12 November 2025	Health Care Checkup
13 – 14 November 2025	Inter-School Sports Competition
25 December 2025	Winter Carnival
23 January 2026	Republic Day Celebration
31 January 2026	Farewell Party (Class XII)
06 or 07 February 2026	Winter Picnic (VI – VIII)