

BRILLIANTS' CONVENT

SR. SEC. SCHOOL

RECOGNISED & AFFILIATED TO C.B.S.E.
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HANDBOOK FOR STUDENTS 2024 – 2025

CLASS XII

This Handbook belongs to

Name:

Class: Section: Roll No:

Class Teacher:



VISION

Briliants' Convent shall remain an Unique Educational Centre defined by its core values. With excellence in all our activities of instructing, we are committed to provide best education in 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 pupil, 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 (2024 – 2025)

Date & Month	Day	Occasion / Festival
11 April 2024	Thursday	Id-ul-fitr*
14 April 2024	Sunday	Ambedkar Jayanti
17 April 2024	Wednesday	Ram Navami
21 April 2024	Sunday	Mahavir Jayanti
23 May 2024	Thursday	Buddha Purnima
17 June 2024	Monday	Id-ul-Zuha*
17 July 2024	Wednesday	Muharram
15 August 2024	Thursday	Independence Day
19 August 2024	Monday	Raksha Bandhan
26 August 2024	Monday	Janmashtami
16 September 2024	Monday	Id-e-Milad*
2 October 2024	Wednesday	Gandhi Jayanti
10, 11 & 12 October 2024	Thursday, Friday & Saturday	Dussehra Holidays
17 October 2024	Thursday	Valmiki Jayanti
20 October 2024	Sunday	Karva Chauth
30 – 31 October 2024	Wednesday – Thursday	Deepavali
01 November 2024	Friday	Govardhan Puja
02 November 2024	Saturday	Bhai Dooj
07 November 2024	Thursday	Chhath Puja
15 November 2024	Friday	Guru Nanak Jayanti
25 December 2024	Wednesday	Christmas
14 January 2025	Tuesday	Makar Sankranti
26 January 2025	Sunday	Republic Day
12 February 2025	Wednesday	Ravidas Jayanti
26 February 2025	Wednesday	Maha Shivratri
14 March 2025	Friday	Holi
31 March 2025	Monday	Id-ul-fitr*

* Subject to appearance of the moon

SUMMER BREAK	
Students	15 May 2024 – 28 June 2024
Reopening of School	01 July 2024
Teachers	31 May 2024 – 22 June 2024
Re – Joining	24 June 2024
WINTER BREAK	
Students	30 December 2024 – 08 January 2025
Reopening of School	09 January 2025
Teachers	30 December 2024 – 04 January 2025
Re – Joining	06 January 2025

Assessment System For Classes XI & XII
Academic Year (2024 – 25)

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 (ACADEMIC YEAR 2024 – 2025)

SPECIAL EXAMINATION		
DATE & DAY	X	XII
24 June 2024, Monday	S.Science	Maths / IP
25 June 2024, Tuesday	English	Physical Edu.
26 June 2024, Wednesday	Science	Bio. / CS / Eco.
27 June 2024, Thursday	Hindi	Chem. /B.St. / Pol. Sci.
28 June 2024, Friday	Computer	English
29 June 2024, Saturday	Maths	Phy. / Accts. / Hindi

PRE – MID / PERIODIC 1 / U.T 1							
DATE & DAY	VI	VII	VIII	IX	X	XI	XII
22 July 2024 Monday	English	Science	Maths	S.Science	Maths	Chem. /B.St. / Pol.Sci.	Bio. / CS / Eco.
23 July 2024 Tuesday	Hindi	English	Sanskrit	Hindi	English	Physical Edu.	English
24 July 2024 Wednesday	S.Science	Sanskrit	Hindi	Science	Computer	Phy. / Accts. / Hindi	Chem. / B.St. / Pol.Sci.
25 July 2024 Thursday	Sanskrit	Maths	S.Science	English	Science	Bio. / CS / Eco.	Physical Edu.
26 July 2024 Friday	Science	Hindi	English	Computer	Hindi	English	Maths / IP
29 July 2024 Monday	Maths	S.Science	Science	Maths	S.Science	Maths / IP	Phy. / Accts. / Hindi

MID TERM / 1 st TERMINAL EXAMINATION							
DATE & DAY	VI	VII	VIII	IX	X	XI	XII
11 September 2024 Wednesday	Computer	G.K/Moral Science	Art	-	-	-	-
12 September 2024 Thursday	G.K/Moral Science	Art	Computer	-	-	-	-
13 September 2024 Friday	Art	Computer	G.K/Moral Science	-	-	-	-
17 September 2024 Tuesday	S.Science	Science	Maths	S.Science	Maths	Chem. /B.St. / Pol. Sci.	Bio. / CS / Eco.
19 September 2024 Thursday	Hindi	English	Sanskrit	English	Computer	Physical Edu.	English
21 September 2024 Saturday	Sanskrit	Hindi	English	Computer	English	Maths / IP	Phy. / Accts. / Hindi
23 September 2024 Monday	English	Sanskrit	Hindi	Hindi	Science	English	Physical Edu.
25 September 2024 Wednesday	Maths	S.Science	Science	Maths	S.Science	Phy. / Accts. / Hindi	Maths / IP
27 September 2024 Friday	Science	Maths	S.Science	Science	Hindi	Bio. / CS / Eco.	Chem. / B.St. / Pol.Sci.

POST – MID / PERIODIC 2 / U.T 2					
DATE & DAY	VI	VII	VIII	IX	XI
18 November 2024 Monday	S.Science	Science	Maths	Science	Chem. / B.St. / Pol.Sci.
19 November 2024 Tuesday	Hindi	English	Sanskrit	English	Bio. / CS / Eco.
20 November 2024 Wednesday	Maths	S.Science	Science	S.Science	Physical Edu.
21 November 2024 Thursday	English	Sanskrit	Hindi	Hindi	Maths / IP
22 November 2024 Friday	Science	Maths	S.Science	Maths	English
23 November 2024 Saturday	Sanskrit	Hindi	English	Computer	Phy. / Accts. / Hindi

FIRST PRE - BOARD			SECOND PRE - BOARD		
DATE & DAY	X	XII	DATE & DAY	X	XII
18 November 2024 Monday	S.Science	Maths / IP	06 January 2025 Monday	S.Science	Maths / IP
20 November 2024 Wednesday	English	Physical Edu.	07 January 2025 Tuesday	Computer	English
22 November 2024 Friday	Computer	Chem. /B.St. / Pol.Sci.	08 January 2025 Wednesday	English	Physical Edu.
25 November 2024 Monday	Maths	Phy. / Accts. / Hindi	09 January 2025 Thursday	Hindi	Chem. / B.St. / Pol.Sci.
27 November 2024 Wednesday	Science	Bio. / CS / Eco.	10 January 2025 Friday	Science	Bio. / CS / Eco.
29 November 2024 Friday	Hindi	English	13 January 2025 Monday	Maths	Phy. / Accts. / Hindi

ANNUAL EXAMINATION (CLASS VI – VIII)			
DATE	VI	VII	VIII
25 February 2025 , Tuesday	G.K/Moral Science	Art	Computer
27 February 2025 , Thursday	Art	Computer	G.K/Moral Science
28 February 2025 , Friday	Computer	G.K/Moral Science	Art
01 March 2025 , Saturday	Maths	S.Science	Science
03 March 2025 , Monday	English	Hindi	Sanskrit
05 March 2025 , Wednesday	Sanskrit	English	Hindi
07 March 2025 , Friday	Science	Maths	S.Science
10 March 2025 , Monday	Hindi	Sanskrit	English
12 March 2025 , Wednesday	S.Science	Science	Maths
ANNUAL EXAMINATION (CLASS IX & XI)			
DATE	IX	XI	
18 February 2025 , Tuesday	S.Science	Maths / IP	
20 February 2025 , Thursday	Computer	Physical Education	
22 February 2025 , Saturday	Science	Bio. / CS / Eco.	
24 February 2025 , Monday	Maths	Phy. / Accts. / Hindi	
27 February 2025 , Thursday	Hindi	English	
01 March 2025 , Saturday	English	Chem. / B.St. / Pol.Sci.	

PTM SCHEDULE (2024 – 2025)

DATE	CLASS
May 2024	Class VI – XII
July 2024	Class XI & XII (Open House Meet)
August 2024	Class VI – XII
October 2024	Class VI – XII
December 2024	Class VI – XII
February 2025	Class VI – XII

EXAMINATIONS

EXAMINATION	CLASSES	DATES
Special Examination	X & XII	24 June 2024 – 29 June 2024
Pre – Mid Term	VI – XII	22 July 2024 – 29 July 2024
Mid – Term	VI – XII	11 Sep 2024 – 27 Sep 2024
Post Mid – Term	VI – IX & XI	18 Nov 2024 – 23 Nov 2024
Annual Examination	VI – VIII IX & XI	25 Feb 2025 – 12 March 2025 18 Feb 2025 – 1 March 2025
Pre – Board Exam I	X, XII	18 Nov 2024 – 29 Nov 2024
Pre – Board Exams II	X, XII	06 Jan 2025 – 13 Jan 2025

Tentative Dates For Olympiad (2024 – 2025)

SNo	Olympiad	First Date	Second Date	Last Date of Registration
1	Quest Colouring Olympiad	21-08-2024	27-08-2024	12-07-2024
2	16 th International Commerce Olympiad	14-11-2024	-	09-10-2024
3	International Hindi Olympiad	28-08-2024	-	15-07-2024

SOF World Olympiads

The schedule of exams for 2024 – 25 is as under:

Olympiad	Date
SOF – IGKO	08-10-2024
SOF – IEO	05-11-2024
SOF – NCO	19-12-2024
SOF – IMO	22-10-2024
SOF – NSO	15-10-2024
SOF – ISSO	12-10-2024

REMEDIAL CLASSES SCHEDULE VI-XII**(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 2024 – 2025

CLASS	BOOKS
VI	Atleast a Fish – Anushka Ravishankar India Fascinating & Fun Facts – Vaijayanti Savant Tonpe Sink or Swim: Exploring Schools of Fish (The Magic School Bus Rides Again #1)– Judy Katschke Mr Gum & The Biscuit Billionaire – Andy Stanton
VII	Great Expectations – Charles Dickens Kidnapped – Robert Louis Stevenson Five Survivors & Other Stories – Ruskin Bond Princess Ponies: A Magical Friend – Chloe Ryder
VIII	Little Women – Louisa M. Alcott Lost in Snow – Holly Webb The Bird with Golden Wings – Sudha Murthy I am Malala – Malala Yousafzai
IX	Wise & Otherwise – Sudha Murthy Here, There & Everywhere – Sudha Murthy Magic of the Lost Temple – Sudha Murthy The Great River Magic – Nandini Nayar
X	The Mummy Case – Franklin W. Dixon Ten – Shammi Flint The Highway – Prashant Pathak Relativity – Elbert Einstein Rich Dad & Poor Dad – Robert T. Kyosaki
XI	Three Days to Disaster – Deepa Aggarwal The Elephant Theft – Jane Kerr The Mistake I Never Forget – Karthick Hemabushanama Reignited – A.P.J Abdul Kalam
XII	The Psychology of Beginners – Mohammad Shakil Chanakya Neeti – Chanakya Sutra Let Him Not Sink (First Step to Mental Health) – Samir Parikh You Can Achieve More – Shiv Khera

BULLETIN BOARD PLANNER (2024 – 2025)

THEME – PATHWAYS TO A SUSTAINABLE FUTURE

Month	THEME / STATE	CLASS	SECTION	Sub Themes
April-May	LIFE ON LAND	VI – XII	A	Conservation of Land Resources
			B	Soil
			C	Natural Vegetation & Wildlife
July	AFFORDABLE AND CLEAN ENERGY	VI – XII	A	Use of Renewable Energy
			B	Sustainable Energy
			C	Sustainable Transport
August	CLIMATE ACTION	VI – XII	A	Climate Change
			B	Tips to Reduce Carbon Footprints
			C	Climate Change Initiatives
September	LIFE BELOW WATER	VI – XII	A	Ocean Conservation Initiative
			B	Marine Life
			C	Tips to Reduce Ocean Pollution
October	GENDER EQUALITY	VI – XII	A	Gender Equality in Education
			B	Organizations supporting Women & Girls in Delhi
			C	Support for Gender Equality
November	QUALITY EDUCATION	VI – XII	A	Educational Resources
			B	Tips for Being Good Learner
			C	Education Beyond Classroom
December	GOOD HEALTH AND WELL BEING	VI – XII	A	Physical & Mental Health Awareness
			B	Nutrition & Exercise
			C	How to Stay Fit
January – February	WATER & SANITATION	VI – XII	A	Water Conservation
			B	Sources of Water Pollution
			C	Sanitation Practices in Community

ASSEMBLY PLAN 2024 - 2025

DATE	DAY	CLASS	ASSEMBLY THEME
03-April-24	Wednesday	X	WELCOME ASSEMBLY
04-April-24	Thursday	IX	WORLD HEALTH DAY
10-April-24	Wednesday	XII	EID-UL-FITR/DR. AMBEDKAR REMEMBRANCE DAY
18-April-24	Thursday	VI	WORLD HERITAGE DAY
24-April-24	Wednesday	VII	ENGLISH LANGUAGE DAY
25-April-24	Thursday	VIII	CAUSES & EFFECTS OF GLOBAL WARMING
01-May-24	Wednesday	IX	INTERNATIONAL LABOUR DAY
02-May-24	Thursday	X	PRESS FREEDOM DAY / WORLD LAUGHTER DAY
08-May-24	Wednesday	XII	WORLD ATHLETICS DAY
09-May-24	Thursday	VI	MOTHER'S DAY
03-Jul-24	Wednesday	IX	DOCTOR'S DAY
04-Jul-24	Thursday	X	IT IS THE WILL; NOT THE SKILL.
10-Jul-24	Wednesday	XII	NUKKAD NATAK ON ANY POLITICAL ISSUE
11-Jul-24	Thursday	VI	MAKE A NOISE ABOUT BULLYING
18-Jul-24	Thursday	VII	GENDER EQUALITY
24-Jul-24	Wednesday	VIII	THE POWER OF POSITIVE THINKING
25-Jul-24	Thursday	IX	KARGIL VIJAY DIWAS
31-Jul-24	Wednesday	X	CLEAN WATER AND SANITATION
01-Aug-24	Thursday	XI	HONESTY & TRUTHFULNESS
07-Aug-24	Wednesday	VI	AFFORDABLE AND CLEAN ENERGY
08-Aug-24	Thursday	VII	INTERNATIONAL YOUTH DAY
14-Aug-24	Wednesday	VIII	INDEPENDENCE DAY
21-Aug-24	Wednesday	IX	ENVIRONMENTAL ISSUES
22-Aug-24	Thursday	X	IMPORTANCE OF PATIENCE IN LIFE

28-Aug-24	Wednesday	XI	HEALTH AND WELLNESS
29-Aug-24	Thursday	XII	GLOBALIZATION
04-Sep-24	Wednesday	VI	INTERNATIONAL LITERACY DAY
05-Sep-24	Thursday	VII	TEACHERS DAY
11-Sep-24	Wednesday	VIII	WONDERS OF SCIENCE
12-Sep-24	Thursday	IX	FORGIVENESS & GRATITUDE
18-Sep-24	Wednesday	X	CYBER SAFETY AND MODERN TECHNOLOGY
19-Sep-24	Thursday	XI	GOAL SETTING AND MOTIVATION
25-Sep-24	Wednesday	VI	INTERNATIONAL DAY OF PEACE
26-Sep-24	Thursday	VII	TEAM WORK & COLLABORATION
03-Oct-24	Thursday	VIII	WORLD ANIMAL WELFARE DAY
09-Oct-24	Wednesday	IX	CLIMATE ACTION
16-Oct-24	Wednesday	XI	RESPECT AND TOLERANCE
23-Oct-24	Wednesday	XII	BOOKS: GOOD FRIENDS
24-Oct-24	Thursday	VI	RULES FOR SUCCESS
06-Nov-24	Wednesday	VIII	COMMUNITY SERVICE
13-Nov-24	Wednesday	IX	WORLD KINDNESS DAY
14-Nov-24	Thursday	X	CHILDREN'S DAY & GURU NANAK JAYANTI
20-Nov-24	Wednesday	XI	CREATIVITY & INNOVATION
21-Nov-24	Thursday	XII	HARDWORK & SUCCESS
27-Nov-24	Wednesday	VI	INDIAN CONSTITUTION DAY
28-Nov-24	Thursday	VII	BEING POSITIVE
4-Dec-24	Wednesday	VIII	WILDLIFE CONSERVATION DAY
5-Dec-24	Thursday	VIII	WORLD SOIL DAY
11-Dec-24	Wednesday	X	HUMAN RIGHTS DAY
12-Dec-24	Thursday	XI	LITERACY & READING PROMOTION

18-Dec-24	Wednesday	XII	COMMUNICATION SKILLS
19-Dec-24	Thursday	VI	RESPECT & RESPONSIBILITY
26-Dec-24	Thursday	VII	INTERNET LITERACY
09-Jan-25	Thursday	VIII	VISHWA HINDI DIWAS
15-Jan-25	Wednesday	X	INDIAN ARMY DAY
16-Jan-25	Thursday	XI	HARDWORK IS THE BEST INVESTMENT WHICH NEVER FAILS
22-Jan-25	Wednesday	VI	REVOLUTIONARY WRITERS
23-Jan-25	Thursday	VII	WAYS OF SUSTAINABLE LIVING / INTERNATIONAL DAY OF EDUCATION
29-Jan-25	Wednesday	VIII	MINDFULNESS & MEDITATION
30-Jan-25	Thursday	IX	EXAM PRESSURE & WAYS TO DEAL WITH IT

ACADEMIC ACTIVITIES
(Academic Year 2024 – 2025)

CBSE Activities :

Adolescent Peer Educators (Leadership Program – Registration for 5 th Phase)	April 2024
Expression Series	Quarterly
CBSE Reading Challenge	June 2024
National Reading Day	June 2024
Celebration of International Day of Yoga	June 2024
Aryabhatta Ganit Challenge	July – August 2024
Story Telling Competition	July – August 2024
Sports & Games Competition	September – November 2024
Heritage India Quiz 2024-25	October – November 2024
National Annual Conference of Sahodaya School Complexes	October – December 2024
National Adolescent Summit	December 2024

Science Activities

CBSE Science Challenge	April – May 2024
Science Exhibition	September – November 2024
Nayi Udaan Magazine	Quarterly

NTSE and MVPP Exam Details

Issuance of Performa 'A'

NTSE 1 st Stage	October 2024
MVPP Exam	November 2024

Date of Examinations

NTSE 1 st Stage	November 2024
MVPP Exam	February 2025

Eco Club Activities :

Sapling (Plantation Drive)	July 2024
Celebration of Eco week	July 2024
Nukkad Natak	August 2024
Swachh Bharat Abhiyan (Cleanliness Drive)	October 2024
Field Visit to Important Environmental Sites	November 2024
Organization of Seminar on Environmental Awareness	January 2025

CO – SCHOLASTIC CALENDAR SESSION 2024 – 2025

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– mintute	• 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 रंजदल
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 'Science for the People and People for		
Special Days	• Martyr Day	• Science Day 'Science for the People and People for Science'		

Monthly Planner (Academic Year 2024 – 25)

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 resistance per cm of a given 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. 4. To compare the emf of two given primary cells using potentiometer. 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 determine the internal resistance of given primary cell using potentiometer. 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 frequency of the a.c. mains with a sonometer. 2. To find the value of (v) for different values of (u) in case of a concave mirror and to find focal length (f). 3. 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 Solution 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 Electrochemistry 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-5 Principles of inheritance and variation Practical 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- 6 Molecular basis of inheritance Practical 1. Mendellian Inheritance during using seeds of different color /sizes Of any plant 2. Identification of stages of Gamete development i.e.T.S. of testis T.s. of ovary through Permanent slides	Ch-2 Sexual Reproduction in flowering plants Ch-3 Human Reproduction Ch-4 Reproductive Health Ch-7 Evolution Practical 1. Flash cards showing examples of homologous and analogous organs 2. Model specimen showing symbiotic association in root nodule of leguminous plant cuscuta on host lichen	Ch-8 Human Health & Diseases Ch-10 Microbes in Human Welfare Practical 1. Study the plant population density by gradient method 2. Study the plant population frequency by quadrant Method 3. Prepare Pedigree chart 4. Common – diseases & symptoms
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	Part I Ch-1 Accounting for partnership firms – fundamentals Ch-2 Goodwill – Nature & valuation Ch-3 Change in profit sharing ratio among existing partners	Part I Ch-4 Admission of a partner Ch-5 Retirement of a partner Ch-6 Death of a partner	Part I Ch-7 Dissolution of a Partnership Firm Part II Ch-1 Accounting for share capital	Part II Ch-2 Accounting for debentures Part III Ch-1 Financial statements of a company Ch-2 Financial statement analysis
ECONOMICS	Indian Economic Development Ch-1 Indian Economy on the Eve of Independence Ch-2 Indian Economy (1950-1990) Ch-3 Liberalisation, Privatisation, Globalisation: An appraisal	Macroeconomics Ch-1 Circular Flow of Income Ch-5 Money Ch-6 Banking Ch-10 Government Budget & The Economy Indian Economic Development Ch-5 Human Capital Formation Ch-6 Rural Development	Macroeconomics Ch-2 Basic Concepts of Macroeconomics Ch-3 National Income & Related Aggregates Ch-4 Measurement of National Income	Macroeconomics Ch-11 Foreign Exchange Rate Ch-12 Balance of Payments Indian Economic Development Ch-7 Employment Ch-9 Environment and Sustainable development Ch-10 Comparative Development Experiences of India and it's Neighbours
BUSINESS STUDIES	Part A Unit 1- Nature & significance of management Unit 2- Principles of management	Part A Unit 3- Business environment Unit 4 – Planning Unit 5 – Organising	Part A Unit 6- Staffing Unit 7- Directing Unit 8- Controlling	Part B 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	अंतरा - काव्य - आधुनिक खंड - पाठ-1 जयशंकर प्रसाद साहित्यिक परिचय (क) कार्नेलिया का गीत (ख) देवसेना का गीत पाठ-2 सूर्यकांत त्रिपाठी निराला साहित्यिक परिचय सरोज स्मृति अंतरा - गद्य - पाठ-1 रामचंद्र शुक्ल साहित्यिक परिचय 'प्रेमघन की छाया स्मृति' पाठ-2 पंडितचंद्रधर शर्मागुलेरी साहित्यिक परिचय 'सुमिरिनी के मनके' अंतराल - पाठ-1 'सूरदास की झोंपड़ी प्रेमचंद निबंध- भारत की वैज्ञानिक प्रगति से संबंधित पत्र- पुलिस अधीक्षक को किसी क्षेत्रीय समस्या पर संपादक के नाम (विविध समस्याओं संबंधी)	अंतरा - काव्य - 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 अंतरा - गद्य - पाठ-3 फणीश्वर नाथ 'रेणु' साहित्यिक परिचय 'संवदिया' अंतराल - पाठ-2 बिस्कोहर की माटी अपठित काव्यांश अपठित गद्यांश अभिव्यक्ति और माध्यम विभिन्न माध्यमों के लिए लेखन निबंध - विद्यार्थी और युवा पीढ़ी से संबंधित	अंतरा - काव्य - पाठ-5 रघुवीर सहाय साहित्यिक परिचय (क) तोड़ो (ख) वसंत आया अंतरा - गद्य - पाठ-4 भीष्म साहनी साहित्यिक परिचय गांधी, नेहरू और यास्सर अराफात पाठ-5 असगर वजाहत - साहित्यिक परिचय - शेर, पहचान, चार हाथ, साझा अभिव्यक्ति और माध्यम पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया कैसे बनती है कविता निबंध - नैतिक शिक्षा पर आधारित ज्वलंत समस्याओं पर आधारित पत्र - कार्यालयी पत्र अपठित गद्यांश एवं पद्यांश	अंतरा- काव्य- प्राचीन पाठ-6 तुलसीदास - साहित्यिक परिचय (क) भरत - राम का प्रेम (ख) पद पाठ-7 मलिक मुहम्मद जायसी- साहित्यिक परिचय बारहमासा अंतरा - गद्य- पाठ-6 निर्मल वर्मा- साहित्यिक परिचय 'जहाँ कोई वापसी नहीं' पाठ-7 ममता कालिया- साहित्यिक परिचय 'दूसरा देवदास' अंतराल - पाठ-3 'अपना मालवा- खाऊ उजाड़ सभ्यता में- प्रभाष जोशी अभिव्यक्ति और माध्यम नाटक लिखने का व्याकरण कैसे लिखें कहानी निबंध - नारी विषयक, सामान्य विषयों पर आधारित आवेदन पत्र (स्ववृत्त सहित) रोजगार संबंधी , दूरदर्शन पर प्रसारित कार्यक्रमों संबंधी अपने सुझाव देते हुए दूरदर्शन महानिदेशक को पत्र
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-1 Data Handling Using Pandas - I	Ch-1 Data Handling Using Pandas - I (Contd.)	Ch-2 Data Visualization Ch-4 Computer Networks	Ch-3 Database Query Using SQL Ch-5 Societal Impacts
COMPUTER SCIENCE	Ch-1 Review of Python Basics	Ch-2 Working with Functions Ch-7 Relational Database & SQL	Ch-4 File Handling Ch-5 Data Structure in Python - Stack	Ch-6 Computer Networks Ch-8 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 2ND TERMINAL & 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-11 Principles and processes of biotechnology Ch-12 Application of biotechnology in health and agriculture Ch-13 Organism & Population Ch-14 Ecosystem Ch-15 Biodiversity & Conservation			
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	<u>अंतरा - काव्य -</u> पाठ-8 विद्यापति पद पाठ-9 घनानन्द - साहित्यिक परिचय कवित्त काव्य सौंदर्य/शिल्प-भाव सौंदर्य (अभ्यास), पद्यों की सप्रसंग व्याख्या <u>अंतरा - गद्य -</u> पाठ-8 हजारी प्रसाद द्विवेदी- साहित्यिक परिचय 'कुटज' <u>अभिव्यक्ति और माध्यम -</u> नए और अप्रत्याशित विषयों पर लेखन अपठित गद्यांश एवं पद्यांश <u>निबंध -</u> प्राकृतिक आपदा संबंधी साहित्यिक विषयों पर आधारित सूक्तिपरक भारतीय संस्कृति - विविधता में एकता (विशेषताएँ) <u>पत्र -</u> औपचारिक पत्र (जन-सुविधाओं से संबंधित संपादक को पत्र)	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 2ND TERMINAL & PRE – BOARD EXAMINATION
INFORMATICS PRACTICES	Importing/ Exporting Data between CSV Files/MySQL and Pandas	
COMPUTER SCIENCE	Ch-3 Using Python Libraries	

February & March – Revision and Pre-Board Examination

ACTIVITY PLANNER (2024 – 2025)

Date & Month	Activities
14 May 2024	Earth Day/ Mother's Day Celebration
08 –12 July 2024	Ecology Week (VI – XII)
09 July 2024	Polling Day
12 July 2024	Oath Taking Ceremony
19 July 2024	Maths Quiz (IX –XII)
14 August 2024	Independence Day Celebration
21 August 2024	Shark Tank BCS (Commerce Department – Class XI & XII)
24 August 2024	Magnotsav Final 2024 (Offline) (VI – X)
05 September 2024	Teacher's Day Celebration
09 September 2024	Social Science Quiz (VI - VIII)
28 & 30 September 2024	Summer Picnic (VI – XII)
15 – 16 OCTOBER 2024	Health Care Checkup
18 October 2024	Hindi Essay Writing Competition (VI – VIII)
29 October 2024	Diwali Celebration (Rangoli Competition, Class Decoration Competition etc.)
14 November 2024	Special Assembly (Guru Parv)
08, 11 – 14 November 2024	Sports Week (VI – XII)
19 November 2024	Science Quiz (IX – XII)
15 December 2024	Winter Carnival
20 December 2024	Poem Recitation (VI – VIII)
24 January 2025	Republic Day Celebration
01 February 2025	Farewell Party (Class XII)
06 & 07 February 2025	Winter Picnic (VI – VIII)