

HOLIDAY HOMEWORK (MAY/JUNE-2025)

CLASS - IX			
Subject	TOPIC	DETAILS	R.N..
ENGLISH	Writing Skill	Make a poster on "Save the Earth" or "Digital Detox" on A3 Size sheet.	R.N.1 to 20
	Activity	Prepare a character sketch from any chapter of - Beehive or Moments, which seem interesting and fascinating to you on A4 size sheet.	R.N. 21 to 40
	Craft Work	Express your love for your father on this - 'Father's Day' presenting him a card, entitled - 'About My Father'. You may use your own creativity.	All R.N.
HINDI	लेखन - कौशल	अपनी माताजी को मातृदिवस की शुभकामनाएं देते हुए पत्र लिखिए। (पत्र अन्तर्देशीय या पोस्ट - कार्ड पर लिखकर उत्तर - पुस्तिका में लगाइए)	
	परियोजना - कार्य	बचेन्द्री पाल का जीवन - परिचय देते हुए सचित्र वर्णन कीजिए। (A - 4 sheets का प्रयोग कीजिए।)	
		कक्षा में करवाया गया समस्त पाठ्यक्रम याद कीजिए।	
MATHS	Model on number system	Make a model to represent $\sqrt{3}$ on the number line by using stick/Thread on a A3 sheet	All R.N.
	Chart on polynomial	Make identity chart on polynomial and decorate it.	R.N. 1 to 20
		Make a project on real number by showing its division in rational and irrational	R.N.. 21 to last
SCIENCE		Chemistry: Make a project file non any topic of chemistry and also one chart on any topic of chemistry.	R.N.. 1 to 13
		Physics: Make a project file on any topic of physics and also one chart on any topic of physics.	R.N.. 14 to 26
		Biology: Make a project file on any topic of Biology and also one chart on any topic of biology.	R.N. 27 onwards)
SOCIAL		Every student must undertake one project on Disaster Management	
		Objectives: The main objectives of giving project work on	
		Disaster Management to the students are to:	
		To create awareness in them about different disasters, their consequences and management	
		To prepare them in advance to face such situations	
		To ensure their participation in disaster risk reduction plans	

		To enable them to create awareness and preparedness among the community	
		The project work helps in enhancing the Life Skills of the students.	
		Various forms of art must be integrated in the project work.	
I.T.	Write answer for following questions	Difference between Verbal and Non -Verbal Communication.	R.N. 1 to 18
		What is the importance of effective communication.	R.N. 1 to 18
		Is 7C's is important for good communication, what is its advantages.	R.N. 1 to 18
		How computer helps to improve life style.	R.N. 18 to Last
		How ICT helps in study, briefly describe with an suitable example.	R.N. 18 to Last
		Write short note on use of ICT	R.N. 18 to Last
	Project File	Importance and Use of ICT in our daily life (Minimum 10 slide with picture)	ALL R.N.

CLASS – X

Subject	TOPIC	DETAILS	R.N..
ENGLISH	Research-Based Projects	<p>This project involves collecting information from books, the internet, or newspapers to prepare a well-organized project. You are expected to explore a topic in depth and present your findings in your own words.</p> <p>*Biography of a Famous Author or Poet*</p> <p>Example: Robert Frost, Ruskin Bond, Anne Frank</p> <p>What to do:</p> <ul style="list-style-type: none"> • Write a short life story (biography) of the writer • Mention their famous works • Add interesting facts (like awards, struggles, writing style) • You can include photos, quotes, and book covers 	
HINDI	लेखन - कौशल	पाठ्यक्रम में निहित अंडमान निकोबार की लोक-कथा ततारा -वामीरो कथा को पात्रों के अनुरूप चित्रित करते हुए उसे नाट्य-शैली में लिखिए। नाटक के पात्रों के संवाद कथा के अनुसार लिखिए।	
	परियोजना - कार्य	प्रेमचंद जी के जीवन पर सचित्र परियोजना तैयार कीजिए। (A-4 sheets का प्रयोग कीजिए।)	
	पोर्टफोलियो	स्वयं का विवरण दर्शाता हुए पोर्टफोलियो बनाइए।	
		कक्षा में करवाया गया समस्त पाठ्यक्रम दोहराएं।	
MATHS	Factor Tree Model	Create a 3D tree using chart paper or cardboard to show the prime factorization of different numbers.	R.N.. 1 to 20
	Graphical Representation of Zeros	Create a 3D graph using foam board and thread to represent the graph of a polynomial and its x-intercepts (zeros).	R.N.. 20 to last
	Quadratic equations	*Prepare a colorful chart explaining methods of solving quadratic equations	All R.N.
	Project	Make a project file on "Understanding Probability Through Real-Life Activities"	All R.N.
SCIENCE	Physics: Worksheet	Worksheet on "Light" in accordance with CBSE	
	Chemistry: Worksheet	Worksheet on "Chemical reactions & equations" in accordance with CBSE	
	Biology:	Digestive System (Chart Making 3D)	R.N. 1-10
		Respiratory System	R.N. 11-20
		Transportation System (Human)	R.N. 21 – 30
		Excretory System	R.N. 31 to last

SOCIAL		Prepare a detailed project on any of the following topics	R.N. 1-12
		Project 1: Consumer Rights <ul style="list-style-type: none"> • Different types of consumer rights that you have as a consumer. • COPRA • Role of courts in implementation of consumer rights • How you can spread consumer awareness • Case study 	
		Project 2: Social Issues (Students may select any one topic related with social issues. some suggested topics are given below) <ul style="list-style-type: none"> • Gender issues • Caste issues • Linguistic diversity • Religious diversity • Environmental issues • Regionalisation 	R.N. 13-26
		Project 3: Sustainable development <ul style="list-style-type: none"> • Meaning of sustainable development • Issue of sustainable development • Importance of sustainable development • Meetings / reports/ summits related to sustainable development • Current status of development 	R.N. 27-35
		Instructions - Use A4 size white sheet, paste relevant photos, Total page should be 13-15	
I.T.		What is the importance of effective communication.	R.N. 1 to 16
	Write answer for following questions: -	Make a note on how effective communication improve our daily life.	R.N. 1 to 16
		What are the basic skill needs for a sender	R.N. 1 to 16
		Is 7C's is important for good communication, what is its advantages.	R.N. 1 to 16
		Make a feedback conversation between seller and buyer of an electronic products.	R.N. 1 to 16
		How computer helps to improve life style.	R.N. 16 to Last
		How ICT helps in study, briefly describe with a suitable example.	R.N. 16 to Last
		How to overcome of barriers of communication.	R.N. 16 to Last
		Write short note on use of ICT	R.N. 16 to Last
		assume that you are going on vacation with your parents in a hotel, make a conversation with hotel staff to book room and food.	R.N. 16 to Last
	Project File	Importance and Use of ICT in our daily life (minimum 10 slide with picture)	All R.N.

CLASS - XI

Subject	TOPIC NAME	DETAILS	R.N.
ENGLISH	Writing Skill		
	Advertisement	You are the general manager of a leading industrial concern. You need a Chartered	
		Accountant for your office. Draft an advertisement on A4 Size sheet in not more than 50 words to be published in - 'The Times of India', New Delhi.	
	Poster	You are a member of the social awareness team of your school and you have to participate in an awareness drive regarding the topic - ' Save Environment ' on this World Environment Day. Prepare a poster on A4 Size Sheet highlighting the importance of protecting the environment.	
PHYSICS	Worksheet	Work sheet will be provided on chapter 1 (Units and Dimensions)	
		Work sheet will be provided on chapter 2 (Motion in a Straight line)	
		Notes need to be complete till the last 31st May	
CHEMISTRY	Worksheet	Complete the worksheet based on chapters covered till now (Pdf will be provided in class group).	
		NCERT questions and notes of these chapters should be completed in chemistry notebook	
MATHEMATICS	Practice question	do all NCERT questions and exemplar questions of chapter3 (trigonometry and sets theory)	
	Worksheet	Complete the worksheet (will be provided on class group)	
I.P.		Write Answer of the following question in Notebook	All Students
		1.Computer System	
		2. Input, Output device	
		3. Cache Memory	
		4. Operating, Application Software	
		5. OSS, FLOSS, Freeware, Proprietary Software	
		Do Question Answer of following:	
		Ch: 3 - 3.1 to 3.10	
		Practical File (As discussed in class)	
ACCOUNTANCY		PROJECT WORK:	
		Prepare a project based on sole proprietorship. 1. Write a story that you have started a business with capital, assets etc. 2. Name your business, nature of business and operating process.	

		3. Write 30 transactions of your business for the initial first month. Prepare this project on A4 Neon coloured sheets.	
BUSINESS			
		1.Project work	
		Topic: Business evolution (history of business)	
		Or	
		Any one form of business organisation	
		2. Complete notes of chapter 1 and 2	
ECONOMICS	Project	Make a project on " Solar Energy, a cost-Effective comparison with conventional energy sources".	All R.N.
POLITICAL SCIENCE	Project work	Making of the Constitution.	1-5
	Make a file	2. Elections in India.	6-10
	On topic	3. Working of the Indian Judiciary System.	11-15
		4. Social Justice: Are ethics followed in Indian Politics	16-20
		5. Human Rights Act and its gratification in India.	21-25
		6. Political impact on Indian Legislation.	26-30
HISTORY	Ch 2+3	Read Ch. 2 and 3 and learn questions answer.	
		Do Map of Mesopotamia and paste it in your notebook.	
GEOGRAPHY	Map Skills	On an outline map of India, mark the following (use separate map for each question)	
		28 states and their capital	
		Important peaks of Himalayan Mountain	
		Himalayan and peninsular rivers. learn all chapters that done in class	
हिंदी			
	अभिव्यक्ति माध्यम	जनसंचार माध्यमों पर एक परियोजना तैयार कीजिए ।	
		कक्षा में करवाया गया समस्त कार्य याद कीजिए ।	
PHE	Practical – 1	Fitness tests administration (SAI Khelo India Test)	
	Practical – 2	Procedure for Asanas, Benefits & Contraindication any two Asanas for each lifestyle disease.	

CLASS - XII			
Subject	TOPIC NAME	DETAILS	R.N..
ENGLISH		Prepare the final internal assessment as explained in the class.	
		Complete all the work of the chapters done till may.	
		Prepare a question paper of 40 marks in word file which includes 1. unseen passage (10m)	
		Notice(4m), letter to editor (5m), 3 rtc's, (3x3m) short questions from poetry, prose. (4x2m)	
		One long answer question (4m)	
CHEMISTRY			
	Investigatory Project Completion	Complete the investigatory project allotted to you as per CBSE guidelines. For topics of your investigatory project follow the pdf will be provided for the same on class group.	
	Practical File Completion	Copy all practicals (Volumetric Analysis, Salt Analysis, etc.) from the PDF provided. Include diagrams, observations, and calculations as instructed.	
	Worksheet	Complete the worksheet based on chapters covered till now (Pdf will be provided in class group).	
	Chemistry Knowledge Enhancement Activity	Choose one of the following and prepare a handwritten or typed 2-page summary/report: Recent experiments/advancements in Chemistry Five Nobel Prize winners in Chemistry (2019–2024) Choose one and write a 2-page summary of their work Chemistry in everyday life (e.g., chemistry behind food preservatives, cosmetics, detergents) Impact of Green Chemistry on environment Role of chemistry in sustainable energy sources A short report on a famous chemist and their contributions Summary of a chemistry-related documentary or research paper	
MATHS	Practice Questions	do NCERT and NCERT exmapler questions of following chapters	
	PROJECTS	matrices, determinants, inverse trigonometric functions, limits and continuity	
		do complete assignment of following chapters.	
		matrices	
		determinant	
		inverse trigonometric functions	

		For Commerce Student	
		1. **Mathematics in Stock Market** – Understanding trends, probability, and statistics in financial markets.	
		2. **Application of Matrices in Business** – How matrices help in business decision-making	
		4. **Profit and Loss Analysis Using Graphs** – Visualizing business growth and decline.	
		5. **Mathematical Modeling in Economics** – Using calculus and statistics in economic predictions.	
		6. **Interest Calculation in Banking** – Understanding compound and simple interest in financial transactions.	
PHYSICS			
		For Science Students	
		1. **Graphs of Inverse Trigonometric Functions** – Analyzing their properties and applications.	
		2. **Application of Calculus in Physics** – Exploring differentiation and integration in motion and forces.	
		3. **Probability in Genetics** – Understanding genetic inheritance using probability models.	
		4. **Vectors in Physics and Engineering** – Demonstrating their role in mechanics and electromagnetism.	
		5. **Mathematical Modeling in Biology** – Using differential equations to study population growth.	
	Investigatory Project	Complete the Investigatory Project as mentioned in the class to individual students.	
	Practical File	Complete Two Experiments (Meter Bridge) from Section A and 2 Activities	
	Worksheet	Worksheet will be provided from Chapter 1,2,3	
I.P.	Q. No.		
	1	Which method is used to make a DataFrame?	All Students
	2	Write the syntax of DataFrame method.	
	3	Is series is a one-dimensional array which is labeled and can hold any data type?	
	4	Which function allows us to manipulate data and create new variables in pandas library?	

	5	Which function is used to read the dataset from a large text file?	
	6	Are DataFrames container for Series?	
	7	Generate DataFrame with random values.	
	8	Explain Series in pandas. How to Create Copy of Series In pandas?	
	9	Define Python pandas	
	10	Mention the Different Types of Data Structures in pandas?	
	11	How can we calculate the standard deviation from the Series?	
	12	Create a Series using List and Dictionary.	
	13	Create series using NumPy functions.	
	14	Get index and values of a series.	
	15	Rename DataFrame Columns.	
	16	Filter DataFrame rows using isin.	
		Practical File (As Discussed in the Class)	All Student
		Project File (As Discussed in the Class)	All Student
ACCOUNTANCY		PROJECT WORK	
		<p>1. SPECIFIC PROJECT- 01 Analysis of Financial Statement and Statement of profit and loss A/C</p> <p>1. Comparative Statement</p> <p>2. Common Size Balance Sheet</p> <p>3. Ratio Analysis</p> <p>Prepare your project on Neon Coloured Sheet. Choose only single colour (Lite colour only), one side line, other side blank.</p>	All Roll numbers
BUSINESS STUDIES		Project file (As discussed in the class)	
	Worksheet	Solve case study files (Ch - 1 and Ch - 2)	
ECONOMICS	Project file	Prepare project file as discussed in the classroom.	
		Human capital formation	1-5
		Banking	6-10
		Govt. Budget and its components	11-15
		Organic farming	16-20
		Employment	21-25
		Economic reforms since 1991	26-30

		Rural development	31-35
POLITICAL SCIENCE	Contemporary world politics	The end of bipolarity	1,3
	Project file	Contemporary South Asia	4,7
		Alternative centre of power	8,10
		International organisations	11,12
		Globalization	13,14
	Politics after independence	Challenge of nation building	15,16
		The crisis of democratic order	2,5
		Environmental and natural resources	6,9
HISTORY	1	Town planning and Artifacts of the Harappan civilization	1 -3
	2	Mahabharata through a Readers eye.	4-7
	3	Through the eyes of Travellers.	8-10
	Project file	Ibn Batuta, Al Biruni, Marco Polo, Nicolo Conti, Abdur Razaq, Francois	
		Bernier Athanasius Nikitin, Duarte Barbosa, Jean-Baptiste Tavernier, Jesuit Roberto	
	4	Understanding the Bhakti-Sufi Movement in India	11-13
		Kabir, Guru Nanak, Mira Bai, Bassavana.	
	5	The Vijayanagara empire with special focus on the city called Hampi.	14-16
		Prepare project file according to given R.N..	
		Prepare practical file as instructed in the class room	
GEOGRAPHY	Project File	Prepare the political map of India and the world to locate and label the items / features given in the list as per CBSE geography curriculum (2024-25)	
		Prepare PT-01 syllabus	
	Map skills		
हिंदी	परियोजना कार्य		
		जनसंचार के माध्यम पर एक परियोजना तैयार कीजिए ।	
		कक्षा में करवाया गया समस्त कार्य याद कीजिए ।	
PHYSICAL EDUCATION	Practical – 1	Fitness tests administration (SAI Khelo India Test)	
	Practical – 2	Procedure for Asanas, Benefits & Contraindication any two Asanas for each lifestyle disease.	