HANSRAJ MODEL SCHOOL
Senior Secondary Department
Class XII (2025-26)
Holidays Homework

S.NO.	SUBJECT	Holidays Homework
1	**ACCOUNTANCY**	**HOLIDAYS' HOMEWORK** **ACCOUNTANCY** **CLASS XII** **Collect latest financial statements of any three public limited companies. (Source -- Newspaper/ Annual Report)** **Analyse the contribution of these companies towards Corporate Social Responsibility (in terms of Revenue/Profit)** **Revise the chapters done in class. Also practice all questions and illustrations from the chapters.**
2	**BIOLOGY**	1.Choose a topic from the last unit Ecology of your class XII syllabus. Collect relevant information about any one of the three chapters. You can use newspapers, articles and magazines. Present your Work in the form of PPT which should be strictly related to the chapter chosen. It should explain minutest details of the topic. Main stress should be on our own role, how we can help to maintain and sustain the ecosystem. 2. Select any one topic of your choice from the syllabus to prepare your project file. Your project should very clearly explain the topic and your research on the topic. It should not be copying the information from net or books. Really show application of your knowledge and use your skill to solve the problem and area you have selected. It can be handwritten or typed. 3. Till now we have completed unit of reproduction and you people will work on the unit of ecology. Try to frame HOTS and competency based questions (with graphs, paragraph or table or data)that involves application of knowledge. 4. Skill based-practice all the diagrams of unit reproduction. Draw neat and well labelled diagrams in your class work copy date wise. Diagrams should be properly drawn with sharp pencil.

		5. Knowledge and understanding-complete all the assignment shared in your class work copy. Complete all the notes of the chapters. 6. Prepare a video to explain sexual reproduction in flowering plants. OR Explain various contraceptives and methods available for infertile couples. 7. Carry out a research on two types of genetic disorders-chromosomal and Mendelian. Select any two diseases of each category and explain them properly with cause and symptoms. 8. Prepare a mind map of the chapter Human reproduction on A-4 size paper.
3	**BUSINESS STUDIES**	HOLIDAY HOMEWORK BUSINESS STUDIES XII 1. Select any one topic to make a project report a) Principles of management - Analysis by visiting an organisation b) Stock Exchange - Analysis of Companies Stock Indices c) Marketing management - Developing a product and analysis of Marketing Mix Components Points to be covered while making project report - design cover page using waste materials or biodegradable materials in a creative way to prepare Project Report • length of the project 35 - 40 pages - handwritten - presented in a neat folder - expressive,creative and relevant content. - Supported by pictures and photograph of visited

		organization chosen/product developed - Properly titled * Other Details of the project can be referred from cbse website. Revise Chapters done in the class and practice Case Studies
4	**CHEMISTRY**	# Green Future: Living Green, Sustainable tomorrow **1. Green Future** A "Green Future" refers to a vision of the world where environmental sustainability is at the heart of policy, technology, industry, and personal lifestyle. It includes: ● Renewable energy (solar, wind, hydro, etc.) ● Circular economy (recycling, reusing, reducing) ● Eco-friendly technologies (e.g., electric vehicles, green buildings) ● Reduced carbon footprint and net-zero goals **2. Living Green** This emphasizes individual and community-level actions to reduce environmental impact: ● Reducing energy and water consumption ● Choosing sustainable transport (walking, cycling, public transport) ● Supporting local, organic food ● Avoiding single-use plastics ● Planting trees and maintaining green spaces **3. Sustainable Tomorrow** This phrase ties the previous two ideas together: what we do today affects our future. A sustainable tomorrow includes: ● Resilient urban development ● Climate justice and environmental equity ● Preservation of biodiversity ● Sustainable agriculture and food systems ● Education and awareness for future generations **How These Concepts Work Together** These three pillars create a continuous loop: ● **Green Future** is the **goal**. ● **Living Green** is the **method**. ● **Sustainable Tomorrow** is the **result**. ● **PART 1.** The United Nations' Sustainable Development Goals (SDGs) are a blueprint for a greener, more sustainable future. Several SDGs directly address the need for green living and sustainable practices. Key goals include ensuring access to affordable and clean energy (Goal 7), promoting sustainable

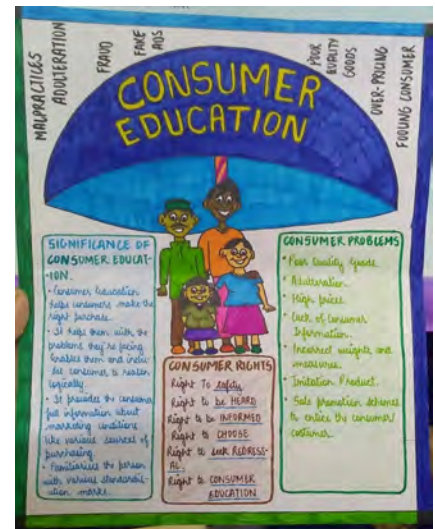|		consumption and production (Goal 12), taking urgent action to combat climate change (Goal 13), and conserving and sustainably using oceans and land (Goals 14 and 15**). Choose an investigatory project topic for chemistry as per CBSE guidelines (Check CBSE website for details) and keep a write up ready to carry out the Project related experiments in chemistry lab after summer vacations AND ALSO INCLUDE THE ABOVE SDG INVOLVED IN YOUR TOPIC WITH PROPER EXPLANATION.**
		PART2. Use the given hyperdoc (https://docs.google.com/document/d/1AhkkfcZi7DIj7oFBDm 8l3FurBpYB3TlGenxJzHz1p9A/edit) to write experiments in the same order in chemistry file . Revise the syllabus covered in the month of April and May in chemistry. Read all the chapters thoroughly and complete all the notes and back exercise.
5	**COMPUTER SCIENCE**	1. Explore the uses and select one AI tool that sparks your interest. This could be anything from AI writing Assistants, Image generators, Music Creators, Coding helpers, language translator etc. Create a short video clip (maximum 1 minute) in action or a set of three slides to showcase how this tool can be applied in the academic or recreational context. Consider the following points for the demonstration: ● Specific use in Academics or Recreational activity ● Limitations Upload the soft copy in the link that will be provided in the first week of July and be ready for class demonstration in the following week. 2. Create a Python module **string_manager.py** with functions that accept a multiline string as a parameter and performs any five operations from the following: 1) Display frequency of words 2) Display Palindrome words 3) Display No. of vowels and consonants 4) Reverse all words starting with a vowel 5) Count number of words starting with a specific letter

		6) Check for Anagram Words 7) Count the number of sentences 8) Find words with a specific length Create test cases to call the above functions in a separate file, test_string_manager.py, to check the functions. Submit a Hard copy of code along with output latest by 10th July 2025. 3. Complete Practical Assignments on Functions and Stacks and revise topics covered in class.
6	**ECONOMICS**	Theme - GREEN FUTURE.. LIVING GREEN.SUSTAINABLE TOMORROW * "Going green is not a trend, it's a lifestyle for a better future."* CLASS XII I.Prepare a Report on the Green Economy and its role in Sustainable development. Include Concepts like Green Jobs,Eco- Tax, Sustainable Consumption, Government green policies and SDG 13 (Climate action). 2. Revise all topics done in class. Practice questions of all types.

7	**ENGINEERING GRAPHICS**	- **Note: Use hand made sheets for the file cover instead of plastic covers**
		     - **Collabcad Project**
		- Explore different types of prisms and pyramids and draw their Isometric view, front view, top view and side views using software.
		     - **General instructions**
		- 1.Download the Collabcad software from website **www.collabcad.gov.in** (C.B.S.E. version)
		- 2.Draw different views of the solids using the software as per the demo given in the class.
		- 2.Submit printouts of 15 solids (prism, pyramid, frustum)in a file cover .

		3. Instructions set for the above-mentioned project will be shared in the class group. 4. Create a cover page mentioning the collabcad project and your name and class. **Note** : Revise the syllabus covered during the months of April and May. Read all the chapters thoroughly.
8	**ENGLISH**	Preparation of Project Portfolio. Base your ALS project around the theme "Green Future: Living Green, Sustainable Tomorrow" with reference to a literature chapter such as Journey to the End of the Earth, The Tiger King, Keeping Quiet, A Thing of Beauty, etc. Instructions: -Work in a group of 4–5 students -Conduct surveys and interviews -Click pictures of your team working -Follow all guidelines from the ALS Project file as shared by your teacher -Use coloured A4 sheets -Prepare pages as per your teacher's instructions -Submit a spiral-bound project to your teacher Note: Revise the syllabus covered during the months of April and May. Read all the chapters thoroughly. Happy Holidays!

9	**GEOGRAPHY**	Section 1: Research Topics
		Problems related to Indian agriculture :
		    1. Causes and effects of low productivity
		    2. Impact of climate change
		    3. Solutions for sustainable agriculture
		Significance of Rainwater Harvesting :
		    1. Methods applied in India (rooftop harvesting, recharge pits)
		    2. Benefits (recharging groundwater, reducing runoff)
		Non-conventional sources of energy :
		    1. Solar, wind, hydro, and biomass energy
		    2. Utilization in India (projects, policies)
		
		Section 2: Geographical Problems in India
		Water pollution:
		    1. Causes (industrial, agricultural, domestic)

		2. Effects (health, ecosystem) 3. Solutions (treatment plants, awareness) **Air pollution**: 1. Sources (vehicular, industrial) 2. Impact (health, climate) 3. Mitigation measures (clean energy, regulations) **Noise pollution**: 1. Causes (traffic, construction) 2. Effects (health, disturbance) 3. Control measures (regulations, awareness) **Land degradation**: 1. Causes (deforestation, overgrazing) 2. Effects (loss of fertility, desertification) 3. Solutions (sustainable land use, reforestation) Section 3: Map Work from **CBSE CURRICULUM 2025-26** Locate and label the following on political maps of the world and India: Map items related to **Fundamentals of Human Geography** .... 1. Chapter 4 2. Chapter 7 Map items related to **India: Economy and Development** 1.Chapter 1 2.Chapter 3 3.Chapter 5 4.Chapter 8 Submission Guidelines 1. Research topics: 1000-1500 words each 2. Map work: Neatly labeled on political maps 3. Include diagrams, charts, and images to support your work 4. Typed reports (font: Arial/Calibri, size: 12) Have a great break, and happy learning!
10	**HOME SCIENCE**	1. Develop a **leaflet / pamphlet** for Consumer Education and Protection on any one of the following-

1	Consumer Protection Act (CPA)
2	Consumer responsibilities
3	Consumer organization
4	Consumer Problems

5	Consumer Rights
6	Standardization Marks

(Use a sheet of A-4 size and make the leaflet in 2⁄3 fold. Remember to make it more symbolic,colorful,and with a short and crisp message.)Some ideas are given below-

SDG-Decent work and economic growth

2. Study of an **Integrated community based , nutrition/health programme** being implemented in own area with reference to-
- A. Programme objectives
- B. Focal group/Beneficiaries (group covered)
- C. Modalities of implementation

I. Stakeholders (org/persons)involved /responsible for planning and implementation.
II. Source of funds
III. Media used
IV. Methods of communication
V. Duration of campaign
VI. Comment on relevance of the project (advantages) responses to the campaign
VII. Actual coverage of focal groups /regards to numbers/age groups
VIII. Suggestions

		*Project has to be done on A-4 coloured sheets and on the topic allotted. SDG-Good health and well being 　　No poverty 　　Quality education 　　Reduced inequality 3. Preparation of any one educational toy for young children (age appropriate) using locally available and indigenous material. SDG-Quality education 4. Prepare a poster on DIET THERAPY for any case of your choice .Some areas are- ● Adolescents ● Pregnant lady ● Lactating mother ● Old person
11	**INFORMATICS PRACTICES**	➢ From the internet, download a dataset - comma separated values (.CSV) file on any topic of your interest. The topics may be chosen keeping the following theme in mind: ● **Theme** : Living Green, Sustainable Tomorrow ● **Real-life** problems Example : Sustainable Energy Usage Analyzer, Eco friendly habits like Electricity used, Water used, KMs traveled by car, Waste generated etc etc ● Small and simple data set ● The data set has at least 2 numeric fields 　. Following data sources may be referred for selecting a dataset: 　1. **https://www.kaggle.com/datasets/** 　2. **https://data.gov.in/** 　3. **https://data.world/health/**

		4. https://energydata.info ➢ Identify the columns from above file on which you can create a **Line plot , Bar Chart and Histogram.** ➢ Write the **objective** and **purpose** of choosing to create each of the above plot(s). ➢ Write the Algorithm for the project. ➢ Compile your work that includes the snapshot and source of the CSV file and submit the documentation in a word file. ➢ Revise the syllabus covered till date and complete the Theory and Practical assignments.
12	MATHEMATICS	1.Using any waste material make a three dimensional wall art showcasing Mathematical reflections and design. 2. A book is a gift you can open again and again. —Garrison Keillor Books are the best friends.Reading books is important for all and it not only enhance our knowledge but give us immense pleasure.Collect information about different books read by your friends in the last 5 years and write the number of different books in category fiction ,nonfiction and autobiography. Represent the above information in the form Of a matrix using this information defining what each row and column (ii) Name this matrix (iii) Write Number of elements of the matrix

		(iv) Taking this number of elements, what are the possible orders of matrices that can be formed? 3.Make a mind map of concepts from chapters Matrices and Determinants on A4 size sheet .
13	**PHYSICAL EDUCATION**	Theme: Green Fitness Plan Yoga for Nature: Learn and perform 5 Yoga Asanas related to lifestyle diseases that can be done in natural surroundings. Submit a photo video log (with parental supervision) how yoga helps in improving the mental well being of people . B) Revise all topics thoroughly done in class Write All Rikli and Jones - Senior Citizen Fitness Test I. Chair Stand Test for lower body strength II. Arm Curl Test for upper body strength III. Chair Sit & Reach Test for lower body flexibility IV. Back Scratch Test for upper body flexibility V. Eight Foot Up and Go Test for agility VI. Six Minute Walk Test for Aerobic Endurance
14	**PHYSICS**	**Theme : *Green future : Living green ,sustainable tomorrow* ,**

		*Design a model or prepare a report that will help in making cities more sustainable for future generations and promote environmental consciousness. - You can think of methods or techniques that many countries or all cities have adopted to reduce their e-waste or grey water recycling system or air quality monitoring etc. - The report should be of minimum 8 pages with suitable illustrations. - It can include various modern techniques adopted by different countries to reduce carbon footprint. - Comparison of our country related to energy parameters using bar graphs and pie charts can be made with those countries with minimum carbon footprint, for example Bhutan. 2. Revise the syllabus covered during the month of April and May. 3.Do the given assignment in your notebook .
15	**POLITICAL SCIENCE**	1. Prepare a newsletter highlighting issues in Indian polity. • Use A3 size sheet • Research on the recent political issues • It should be well presented with specific information 2. Read and revise the chapters taught in the class. 3. Write report on Indus Water Treaty between India and Pakistan. • Use A4 Size Sheet • Map for the marking of Indus River • Research on the current status of the treaty.
16	**PSYCHOLOGY**	1. Develop 2 mind maps on the two approaches of intelligence theories.These have to be hand made in the A-4 size colored sheet.Paste in class register. SDG-Quality education 2. Prepare a collage on How can psychology help in minimizing GENDER INEQUALITY on A-3 size. SDG-Gender equality 3. Conduct the mentioned below standardized tests on your case profile - SCQ,

		AISS, RSPM . (The case profile subject which you have been working on since class 11.).Complete the interpretation of the results. 4. Prepare a newsletter or handout or pamphlet on how to deal with stress.Some examples are shown below. SDG-Quality education,Good health and well being.
17	**PAINTING**	***Theme: Green future: living green, sustainable tomorrow***. **A FUTURISTIC GREEN CITY SCAPE** Create a piece of Art/ Painting depicting a sustainable future, such as a city with Green roofs, solar panels, etc. Explain the inspiration behind your artwork and the message you want to convey
18	**TOURISM**	# Note: Use hand made sheets for the project cover instead of plastic covers. **(Choose any one task from the following)** **TASK-1** Visit,study,research + analyse any government tourism service in their region. Make a project outlining the marketing strategy strengths,scope for improvement and compare it with any private services.(e.g. IRCTC, ITDC etc.) **TASK-2** Create a development plan for tourism product in your area,which should include a detailed study of the tourism product ,its potential + suggestions on its development to encourage tourism activity.(Delhi, NCR) **TASK-3** Research + collect data in relation to travel document

19	**WEB APPLICATIONS**	1. Do all the following programs and compile all programs with output in practical file.
		- Write a program with 2 functions to find simple or compound interest depending on user input, also take user input for principal, rate and time.
		- Write a program where a function MyFunc( ) it takes the user name and displays a message" Hello username welcome to this page!
		- Write a program with a function to find the smallest out of 3 numbers.
		- Write a program with a function to take user input in kilograms and convert it to grams. [1 Kilogram=1000 grams]
		- Write a program with a function sortnum( ) to sort 3 numbers in ascending order.
		- Using a button call a function Pytha( ) and take the input for the sides then check whether a number is a Pythagorean Triplet or not.
		- Write a program with a function called through a button to ask user age and if the age is greater than 18, display the message "You are eligible" in a paragraph.
		2. Do any two of the following using Canva a) Create E poster for "Animal Protection Against Cruelty" using a template b) Create a presentation about "The National Education Policy" using a blank presentation c) Create video about "Indian Startups" using a template ents,travel insurance, weather, currency, accomodation, attractions of any one destination in India. It shall include possible itineraries, information brochures and marketing strategies, highlighting the strength of the chosen destination. (Choose any one state of India) Revise the syllabus covered during the months of April and May in. Read all the chapters thoroughly