

**HANSRAJ MODEL SCHOOL**  
**PUNJABI BAGH, NEW DELHI**  
**HOLIDAYS HOME WORK**  
**(SUMMER BREAK)**  
**Class X (2024-2025)**

SUBJECT	HOMEWORK
ENGLISH	<p><b>Task 1</b>  <b>General Instructions.</b></p> <ol style="list-style-type: none"> <li>1. The project must be handwritten.</li> <li>2. Must be submitted in the proper file.</li> <li>3. Cover page must reflect the school 's name,student's name ,class and section.</li> <li>4. The project must have an index.</li> <li>5. Use pictures and captions wherever possible.</li> </ol> <p>Roll Number (1-15)- <u>THE BALL POEM</u></p> <ol style="list-style-type: none"> <li>1.About the poet</li> <li>2.Theme/tone/style of poem.</li> <li>3.The poem at a glance.</li> <li>4.Poetic Devices ( web chart)</li> <li>5.New Learning.</li> </ol> <p>Roll number (16-30) - <u>A BAKER FROM GOA</u></p> <ol style="list-style-type: none"> <li>1. About the author</li> <li>2. Theme/ central idea</li> <li>3. The chapter at a glance</li> <li>4. Historical background of GOA</li> <li>5. Elaborate KABAI,PADER, Collect fun facts about Goa.</li> </ol> <p>Roll number (31 - 50)- <u>COORG</u></p> <ol style="list-style-type: none"> <li>1.About the author</li> <li>2.location and climate</li> <li>3.The people ( History)</li> <li>4.Literature and food</li> <li>5. Traditions and festivals</li> <li>6.Major tourist attractions/ Interesting facts ( any one)</li> </ol> <p><b>Task 2.</b>  Create a poster that provides information on mental health, including tips for managing stress, signs to look out for, and where to seek help.</p>
HINDI	<p><b>1 समस्त पठित पाठ्यक्रम की पुनरावृत्ति कीजिए ।</b></p> <p><b>2. अपने शब्द भंडार की वृद्धि हेतु प्रतिदिन हिंदी समाचार -पत्र पढ़िए ।</b></p> <p><b>3. <u>परियोजना कार्य:-</u></b>  <b>परियोजना कार्य निम्नलिखित विषयों पर अपने अनुक्रमांक अनुसार</b></p>

कीजिए :-

अनुक्रमांक 1-12

' अपने नाना- नानी एवं दादा- दादी के साथ समय व्यतीत कीजिए तथा उनके और अपने समय का तुलनात्मक अध्ययन कीजिए। इस अनुभव की चित्रात्मक अभिव्यक्ति कीजिए।

(ए- 4 साइज शीट)

अनुक्रमांक 13-24

प्रतिदिन प्रातः काल योगाभ्यास व प्राणायाम के लिए जाइये और अपने अनुभव का चित्रात्मक वर्णन कीजिए। ( A-4 शीट कम से कम 10 विभिन्न योगासन की चित्रात्मक अभिव्यक्ति)

अनुक्रमांक 25-36

**\*मॉडल निर्माण -\***

अंडमान निकोबार लक्षद्वीप की वेशभूषा, खान-पान, और लोक नृत्यों को आधार बनाकर, थर्माकोल, कार्डबोर्ड व अन्य उपकरणों का प्रयोग करते हुए सुंदर व आकर्षक मॉडल का निर्माण कीजिए।

अनुक्रमांक 37-48

**'जल ही जीवन है': - पोस्टर निर्माण**

**निर्देश:**

- परियोजना कार्य बनाते समय आप चित्रों, फ्लैशकार्ड्स, अखबार की कटिंग, चार्ट पेपर और पोस्टर का प्रयोग कर सकते हैं।
- परियोजना कार्य से संबंधित समस्त कार्य हस्तलिखित होना चाहिए।

**निर्णय मानदंड :-**

विषय वस्तु	2 अंक
रचनात्मकता	2 अंक
भाषायी शुद्धता	1 अंक

**MATHEMATICS**

**TASK 1: Project**

Students are required to list any 5 activities they perform during summer vacations to improve their mental health and relieve stress like Exercise ,

	<p>Gardening, Reading , Deep breathing,Swimming,Cycling,Dancing,meditating etc.and maintain a weekly record of it .</p> <p>Make a project file that represents time spent on a weekly basis on such activities in the form of colourful pie chart .</p> <p><b>TASK 2: Assignment</b></p> <p>Special Assignment of Ch- 3 and Ch- 4 will be posted on teams .Take a printout of that and solve it in a separate note book .</p>
<p><b>SCIENCE</b></p>	<p style="text-align: center;"><b><u>Physics Holiday Homework (2024-25)</u></b></p> <p style="text-align: center;"><b><u>Class 10</u></b></p> <p><b>TASK1.</b> Explore what do you mean by Energy – Crisis, its possible causes (Ex – oil shortage, coal shortage, power shortage, population growth, natural disasters, attacks by terrorists etc) and its methods of prevention.</p> <p>Students need to make their holiday homework in the following format on an A-4 size sheet:</p> <ol style="list-style-type: none"> <li>1. Page 1- A collage of various pictures of the CAUSES</li> <li>2. Page 2- Write down some possible METHODS OF PREVENTION for the same</li> </ol> <p><b>Paste both the A-4 pages in your classwork notebook.</b></p> <p><b>(To be made by everyone)</b></p> <p style="text-align: center;"><b><u>CHEMISTRY Holiday Homework</u></b></p> <p><b><u>TASK 1</u></b></p> <p>Knowledge of acids and bases is essential for a wide range of everyday activities, from cleaning and cooking to personal care and health. It helps you make informed choices, understand chemical reactions, and stay safe in various situations.</p> <p><b>Research and prepare a report</b> on why knowing about acids and bases is important in everyday life.</p> <p><b><u>TASK 2</u></b></p> <p><b><u>ACTIVITY:</u></b> -To check the presence of acid, base, salt and indicators in the items of daily use.</p> <ol style="list-style-type: none"> <li>1. Take some household items such as lemon juice, bitter gourd juice, tomato juice/sauce, colourless aerated drink, tap water, toothpaste, baking soda solution, vinegar, baking powder, and common salt.</li> </ol>

2. Prepare your own natural indicator using either red cabbage leaves or turmeric.
3. Categorize/Tabulate the samples taken as acidic, basic and salty on the basis of taste.
4. Test each sample with the prepared natural indicator and tabulate the observations in terms of change in colour.

Sample taken	Change in colour of indicator used	Taste (sour/bitter)	Inference (acid, base, neutral)

5. Take pH paper and dip it in each sample. Record the colour change and compare it with the pH scale. Note the pH value and classify each as acidic, basic or neutral.
6. Take 1-2 ml lemon juice and bitter gourd juice in separate containers. Put a few drops of diluted vanilla essence or clove oil. Note down the difference in odour before and after adding vanilla essence or clove oil.

**Note:** Work to be done on loose A4 size sheets.

### **BIOLOGY HOLIDAYS HOMEWORK**

Research the various flora and fauna in your area, identify any endangered species, and propose creative solutions to protect and restore their habitats. Also, include how things like pollution and urbanization have affected them. This could involve conducting surveys, interview. (Work to be done on loose A4 size sheets).

**PROJECT WORK:** - All the students are required to make a project allotted as per your Roll nos.

**Projects to be made in accordance with your roll no.**

**Roll no. 1 to 5**

1) Build a Simple Electric Circuit

- Objective: Understand the basics of electric circuits.

- Materials: Battery, wires, bulbs, switches, resistors etc.

### **Roll no. 6 to 10**

2) Construct a Model of the Human Eye

- Objective: Create a three-dimensional representation of the human eye.
  - Materials: Clay, playdough, modeling clay, or craft supplies.
  - Instructions: Use modeling materials to create a model of the human eye, including its various structures and features.
- Label each part and explain its function.

### **Roll no. 11 to 15**

3) With the help of model, show the role of magnets in musical instruments such as electric guitars, speakers, headphones etc

### **Roll Num 16-20**

- **Properties of Metals vs. Non-Metals:** Create a comparative model displaying the physical and chemical properties of metals versus non-metals. For example, you can showcase metals' lustre, malleability, and conductivity compared to nonmetals' properties like brittleness and lack of conductivity.

OR

- **Reactivity Series Model:** Create a visual representation of the reactivity series, which lists metals in order of their reactivity. You can use different metals to demonstrate their reactivity with acids or water. For instance, magnesium reacts vigorously with dilute hydrochloric acid, while copper does not react.

### **Roll Num 21-25**

- **Acid Rain Simulation Model:** Build a model to demonstrate the effects of acid rain on the environment. Use vinegar to simulate acid rain and observe its effects on materials like limestone (calcium carbonate) or metal objects. This model helps to illustrate the environmental impact of acid deposition and the importance of understanding acid-base chemistry in pollution control

**Roll Num 26-30**

- **Electrolysis of Saltwater Model:** Set up an electrolysis apparatus using a battery, electrodes, and a solution of saltwater (sodium chloride). When electricity is passed through the solution, chlorine gas is produced at the anode, and hydrogen gas is produced at the cathode. This model demonstrates the electrolysis of salts and the decomposition of water.

**BIOLOGY HOLIDAYS HOMEWORK**

**TASK 2:** Design a colourful and innovative game board featuring themes allotted according to your roll numbers.

**Roll no. 31-35**

Keeping in mind various life processes-themed landmarks, such as a nutrition centre, a fitness zone, a sleep sanctuary, and a stress relief oasis. Create challenge cards with scenarios related to biology and mental health. For example, a challenge card might present a situation where a player has to choose between eating a balanced meal or grabbing fast food, with consequences for their in-game health and mood. Include task cards with activities promoting mental and physical well-being like "Take a deep breath and describe three things you're grateful for."

**Roll no. 36-40**

A colorful game board featuring different natural habitats and resources, such as forests, oceans, and mountains. Each habitat represents a level of the game. Include resource cards representing various natural resources and the challenges they face, such as deforestation, pollution, and habitat destruction. Integrate mental health challenges into the game, such as mindfulness exercises, relaxation techniques, and gratitude practices. For example, landing on a "Calm Cove" space might prompt the player to take a moment for deep breathing or visualization.

**Roll no. 41 onwards**

Design a colorful game board divided into sections representing different aspects of sustainability and mental health, such as eco-friendly practices, emotional well-being, and community. Include resource cards that players can collect throughout the game to overcome obstacles or gain advantages. These could represent sustainable resources like solar energy or mental health resources like coping strategies.

## **SOCIAL SCIENCE**

### **TASK 1**

**PROJECT TOPICS-** Students will attempt the project in accordance with their roll no.

1. Consumer Awareness (Roll No. 1-14)
2. Social Issues (Roll No. 15-30)
3. Sustainable Development (Roll no. 31- 50)

#### **Objectives:**

- Gain insight into themes from an interdisciplinary perspective.
- Enhance life skills.
- Apply Social Science concepts in project report preparation.
- Utilize primary and secondary resources.
- Integrate art forms if possible.

#### **Skills Developed:**

Collaboration, analytical skills, disaster evaluation, information synthesis, creative problem-solving, communication.

#### **Instructions:**

Please note that the above given project must be handwritten of 12-20 pages. It should be designed with supporting images and case study.

#### **Assessment:**

**The distribution of marks over different aspects relating to Project Work is as follows:**

- |                                                |   |
|------------------------------------------------|---|
| a. Content accuracy, Originality and Analysis: | 2 |
| b. Presentation and Creativity:                | 2 |
| c. Viva Voice:                                 | 1 |

#### **THEMES:**

##### **THEME 1: Consumer Awareness (Roll No. 1-14)**

Theme: 'Fair and responsible AI for consumers'

Focus areas: Efficiency in resource use, innovation, inclusive consumption patterns.

Tasks: Data collection on consumer behavior, understanding harmful adulterants, advocating for transparency in business.

Explain how adulterated goods affect physical and mental health. You can take up any case study from the newspaper.

**OR**

**THEME 2: Social Issues (Roll No. 15-30)**

Topics: Diversity, gender equality, poverty, pollution.

Tasks: Government initiatives for refugees, gender parity effects, pollution control strategies, indigenous community case study, sustainable practices comparison and physical and mental condition of labour during lockdown.

Take up real life case study to support your document.

**OR**

**THEME 3: Sustainable Development (Roll no. 31- 50)**

Focus: Equity, inclusion, cultural preservation.

Tasks: Migration streams, urban diversity impact, migrant contributions to Zero Waste, challenges and benefits, ecological changes, carbon footprint reduction strategies and diversity.

Take up real life case study to support your document.

**TASK 2- INTER DISCIPLINARY PROJECT**

**Topic:**

**1. India and the Great Depression (Roll no. 1-14)**

Students to collect material related to India's economic condition during the Great Depression and relate it to the present economic condition of India and US. Students may collect information through a visit to the library or search relevant sites.

**2. The Early Post-War Years (Roll no. 15 – 30)**

Students will collect material related the role of roadways, railways, waterways, and airways in building the national economy.

**3. Globalization and the Indian Economy (Roll no. 31- 50)**

Students will Integrate various dimensions of globalisation in terms of cultural / political/ social /economical aspects). They will appraise the evolution of Globalisation and the global trends and investigate the factors that facilitated the growth on MNC 's.



	<p><b>INSTRUCTIONS:</b></p> <p>All students to submit handwritten written research work on 2-3 pastel sheets with relevant pictures.</p> <p><b>THE ENTIRE HOLIDAYS HOMEWORK OF SOCIAL SCIENCE SHOULD BE SUBMITTED ON 3<sup>RD</sup> JULY 2024.</b></p>
<b>SANSKRIT</b>	<p><b><u>कार्य 1</u></b></p> <p>'मानसिक स्वास्थ्य एवम् आरोग्य' पर आधारित दो मित्रों के मध्य संवाद को संस्कृत भाषा में चित्रकथा के रूप में A4 पृष्ठ पर प्रस्तुत करें।</p> <p style="text-align: center;"><b>अथवा</b></p> <p>भित्ती पत्रिका के निर्माण के हेतु 'मानसिक स्वास्थ्य एवम् आरोग्य' से सम्बन्धित समाचार अथवा लेख का अध्ययन करें एवं उसे संस्कृत भाषा में संक्षिप्त रूप में लिख कर एक A4 पृष्ठ पर विविध चित्रों सहित प्रस्तुत करें।</p> <p><b><u>कार्य 2</u></b></p> <p>माइक्रोसॉफ्ट टीम्स पर दिए गए विशेष कार्यपत्र को अपनी संस्कृत गृहकार्यपुस्तिका में करें।</p>