

Class X (2025-2026)
Holidays Homework

SUBJECT	
ENGLISH	<p>“Ad Campaign – Sell with Words!” Task: Choose an imaginary or real product. Design a print ad including:</p> <ul style="list-style-type: none"> • Catchy tagline • Persuasive product description (50–60 words) • Use 3 rhetorical devices (e.g., alliteration, hyperbole) • Sketch or magazine-style image can be incorporated • Do it on an A 3 size .
HINDI	<ul style="list-style-type: none"> • समस्त पठित पाठ्यक्रम की पुनरावृत्ति कीजिए। • अपने शब्द भंडार की वृद्धि हेतु प्रतिदिन हिंदी समाचार पत्र पढ़िए। • X A,B (परियोजना कार्य) विषय - राजमाता अहिल्याबाई होल्कर भारतीय संस्कृति और नारी- सशक्तिकरण। • X D,F (परियोजना कार्य) विषय - महारानी अहिल्याबाई होल्कर जीवन, शासन काल और रोचक तथ्य • X G,H (चार्ट/पोस्टर निर्माण) विषय - वीरांगना अहिल्याबाई होल्कर • निर्देश- परियोजना कार्य , चार्ट बनाते समय आप चित्रों, फ्लैश कार्ड , अखबार की कटिंग , थर्माकोल, कार्डबोर्ड व अन्य उपकरणों का प्रयोग कर सकते हैं। समस्त कार्य हस्तलिखित होना चाहिए। • निर्णय मानदंड- विषय वस्तु- 2 अंक रचनात्मकता - 2 अंक भाषायी शुद्धता- 1 अंक
MATHEMATICS	<p>Class/Sec 10A ,10B ,10C</p> <ul style="list-style-type: none"> • <u>Task : Eco-Friendly 3D Model</u> <p>Instructions:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Create a 3D model using optimization techniques to design an eco friendly city with parks , green roofs and eco friendly transportation systems . <input type="checkbox"/> Calculate rooftop area of the building to install solar panels, estimate energy output and make a comparative Bar graph of electricity use before and after installation of solar panel.

	<p><input type="checkbox"/> Document your calculations, findings, and sustainability benefits on an A4 sheet.</p> <p>Class/Sec 10D , 10E , 10F</p> <ul style="list-style-type: none"> • <u>Task : 3D Model of a Clinometer</u> <p>Instructions:</p> <p><input type="checkbox"/> Design and build a 3D model of a clinometer.</p> <p><input type="checkbox"/> Ensure the model can measure angles of elevation or depression.</p> <p><input type="checkbox"/> Document your design, calculations, and measurements on an A4 sheet.</p> <p>Class/Sec 10G , 10H</p> <ul style="list-style-type: none"> • <u>Task : 3D Model of a case-based scenario using Mathematical Modeling</u> <p>Instructions:</p> <p><input type="checkbox"/> Select a topic (Real Numbers, Polynomials, or Pair of Linear Equations in two variables).</p> <p><input type="checkbox"/> Design a 3D model of a case-based scenario from the topic chosen using mathematical modeling .</p> <p><input type="checkbox"/> Solve the problem using mathematical modeling and document your calculations and explanations on an A4 sheet.</p>
	<p>Task 1: Competency-Based Questions</p> <p>This assignment focuses on competency-based questions designed to strengthen our conceptual understanding and application skills. These questions are aligned with the guidelines provided by CBSE, helping us prepare effectively. Through this task, we aim to revise key topics, improve critical thinking, and enhance our problem-solving abilities, ensuring we are well-prepared and confident for our board exams.</p> <p>https://docs.google.com/document/d/18DDb4TixPPkd6jEHDYsHkGtgh8C3L2yGRp2eVQMZuAg/edit?usp=sharing</p> <p><u>Note:</u> This task is compulsory for all students and you all have to do assignments in registers of Physics, Chemistry and Biology respectively.</p> <p>Task 2: Project on the theme– Green Future: Living Green, Sustainable Tomorrow</p> <p>As part of our holiday homework, this project making task is based on the theme "Green Future: Living Green, Sustainable Tomorrow." The objective of this activity is to</p>

creatively represent ideas and innovations that support sustainable living and environmental conservation. By designing these models, we aim to deepen our understanding of green technologies and eco-friendly practices, while expressing our commitment to a cleaner, greener future through visual and hands-on learning.

TO BE DONE AS PER YOUR ROLL NOS

PHYSICS (ROLL NO 1-15)

Create a unique 2D or 3D model using e-waste materials (excluding batteries or cells).

Roll Numbers 1–5: Model of the Human Eye

Roll Numbers 6–11: Model of a Domestic Electric Circuit

Roll Numbers 12–15: Working model of Series and Parallel Combination of Resistors

CHEMISTRY (ROLL NO 16-30)

Roll Numbers 16-20: DIY pH Test Kit

Create a simple, eco-friendly pH testing kit using red cabbage juice for practical experiments. Also, Display a colour chart showing how red cabbage juice reacts with various substances.

Roll Numbers 21-25: Design a game/ puzzle/board game on Acids, Bases & Salts **OR** Metals & Non-Metals to make the science learning fun.

Roll Numbers 25-30: Uses of Salts


A labelled poster showing everyday uses of salts (like baking soda, washing soda, etc.), including their chemical names and formulas.

You may use the following link for hints to prepare your chemistry projects/models/games:

https://docs.google.com/document/d/1HvllloZWpHCyysbdSurPd8fMJf_nGK_vcACgz3D2GhXo/edit?usp=sharing

<https://www.science-sparks.com/what-is-the-ph-scale/>

<https://edu.rsc.org/primary-science/red-cabbage-rainbows/4011608.article>

	<p><u>BIOLOGY (ROLL NO 31-48)</u></p> <p>Roll numbers 31-35: Create an innovative 2D/ 3D model using eco- friendly material on any one of the Human Body Systems.</p> <p>Roll numbers 36-40: Design a quiz game/ puzzle/ board game/ card game from the topic - Control and Coordination.</p> <p>Roll numbers 41 onwards: Design an eco friendly product using recycled material. Also, create a slogan promoting environmental conservation.</p> <p> Revise the syllabus covered during the months of April and May. Read all the chapters thoroughly.</p>
SOCIAL SCIENCE	<p>TASK 1</p> <p><u>PROJECT TOPICS-</u> Students will attempt the project in accordance with their roll no.</p> <ol style="list-style-type: none"> 1. Consumer Awareness (Roll No. 1-14) 2. Social Issues (Roll No. 15-30) 3. Sustainable Development (Roll no. 31- 50) <p><u>Objectives:</u></p> <ul style="list-style-type: none"> ● 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. <p><u>Skills Developed:</u></p>

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

Instructions:

Please note that the above given project must be **handwritten of 15-20 pages**. It should be designed with newspaper reports, infographics, supporting images and case study.

Assessment:

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

S.no	Rubrics	Marks
a	Content accuracy and originality	2
b	Competencies exhibited and Presentation	2
c	Viva-Voce	1

THEMES:

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

Topic: '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.

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

Topics: Terrorism and its Socio-Psychological Impact

Tasks: Violation of human rights due to terrorism, Climate of fear, Loss of Livelihood, Distrust between social groups, Political Polarization, National tension,

Ethnic violence between communities, Wedge between countries, Problem of refuge and the Role of Government, Authorities and Media in promoting peace and national integrity.

Take up real life case study to support your document.

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

Focus: Promoting sustainable practices to create a Green Economy

Tasks: Renewable energy resources, Sustainable Agriculture, Fashion, and Transportation, Waste Management and Recycling, Social Entrepreneurship for Community Development Combating Climate Change, Eco tourism and Green Infrastructure.

Take up real life case study to support your document.

TASK 2- INTERDISCIPLINARY PROJECT

Topic:

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

Students will collect material related to India's economic condition during the Great Depression and relate it to the present economic condition of India and the 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 to 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 of MNC 's.

INSTRUCTIONS:

All students should submit handwritten written research work on 2-3 pastel sheets with relevant pictures.

Rubrics for Interdisciplinary Project

Rubrics	Marks allocated
Research Work	1
Collaboration & Communication	1
Presentation & Content relevance	1
Competencies- Creativity, Analytical skills, Evaluation, Synthesizing,	2
Total	5

TASK 3- Ahilya Bai Holkar :Queen of Indomitable Spirit

1. STORYBOARD: Create a pictorial timeline of Ahilyabai Holkar's life, highlighting her early years, marriage, and reign as the Queen of Malwa. (Roll no. 1 to 25)

2. LEADERSHIP ANALYSIS: Analyze Ahilyabai's leadership qualities, such as her administrative skills, epitome of women empowerment, compassion, and vision for her kingdom and develop a pictorial project on A4 size sheets (Roll no 26 onwards)

THE ENTIRE HOLIDAYS HOMEWORK OF SOCIAL SCIENCE SHOULD BE SUBMITTED ON 3RD JULY 2025.

SANSKRIT

दशमी - सी

परियोजना कार्यम् -

‘जले निवसतां पक्षिणां प्रकृतिसन्तुलने योगदानम्’
इति विषयम् अधिकृत्य A4 परिमिते प्रपत्रे संस्कृभाषया सचित्रम् एकम्

	<p>अनुच्छेदं लिखन्तु। तं प्रपत्रं सुन्दरतया सज्जीकुर्वन्तु।</p> <p><u>पुनरावृत्तिः -</u></p> <p>निम्नलिखितविषयाणां विषयाणां पुनरावृत्तिं कृत्वा अभ्यासं कुर्वन्तु ।</p> <ul style="list-style-type: none">• प्रथमः पाठः• द्वितीयः पाठः• समयलेखनम्• अशुद्धि-संशोधनम्• चित्रवर्णनम्• पत्रलेखनम् <p><u>दशमी - ई</u></p> <p><u>परियोजना कार्यम् -</u></p> <p>‘स्थले निवसतां पक्षिणां प्रकृतिसन्तुलने योगदानम्’ इति विषयम् अधिकृत्य A4 परिमिते प्रपत्रे संस्कृभाषया सचित्रम् एकम् अनुच्छेदं लिखन्तु। तं प्रपत्रं च सुन्दरतया सज्जीकुर्वन्तु।</p> <p><u>पुनरावृत्तिः -</u></p> <p>निम्नलिखितविषयाणां विषयाणां पुनरावृत्तिं कृत्वा अभ्यासं कुर्वन्तु ।</p> <ul style="list-style-type: none">• प्रथमः पाठः• द्वितीयः पाठः• समयलेखनम्• अशुद्धि-संशोधनम्• चित्रवर्णनम्• पत्रलेखनम्
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