

CLASS - X HOLIDAY HOMEWORK

(2025 - 26)

Holidays are a much-awaited time for students — a chance to relax, recharge, and explore learning beyond the classroom. As integral is fun to summer break, so is holiday homework. These tasks have been specifically designed not to burden you further but to add a fun element to your learning and to reinforce the concepts covered in school. These tasks will for sure encourage creativity, critical thinking, and independent learning. Through a mix of fun activities and subject-based tasks, it is hoped these activities achieve their aim and make your vacations interesting, meaningful and full of fun and

Happy Holidays !!!

Happy

Learning!!!

ENGLISH :

1. AIL PROJECT :

The Andaman and Nicobar Islands, located south of India between the Bay of Bengal and the Andaman Sea, have been important strategically and historically. They are home to some of the last surviving tribes that remain out of touch with modern populations, the site of tremendous immigration from the mainland, tremendously diverse ecologically, and of vital strategic importance, given their location. They are also important historically: the infamous Cellular jail (Kala Pani) was housed here, and the islands were briefly occupied by the Japanese in WWII.

It's time to explore the rich literary legacy of the Islands. Given below are some works that occupy a prominent position in the Andamanese literature. You can refer to any one of these or look for any on your own. Design a **book jacket** for any of the work that you decide to choose.

- **The Last Wave by Pankaj Sekhsaria**
- **Bandi Jiwan (A Life in Captivity) by Sachindra Nath Sanyal**
- **Andamans Boy by Zai Whitaker**
- **And That Reminds Me by Stanley William Coxon**

▶ **Making a Book Cover (Jacket)** Can be referred to for sample. You can also choose your own way of making one.

2. WORKSHEETS :

Complete the three worksheets given below in a separate notebook. The same shall be taken up for discussion and correction thereafter.

Click on the names of the lessons to access the worksheets.

☰ Two Gentlemen

☰ Mrs. Packletide

☰ Letter

HINDI :

- 1- लक्षद्वीप का सांस्कृतिक इतिहास एवं वहाँ की किन्हीं दो जनजातियों के विषय में विस्तृत जानकारी पर एक परियोजना तैयार कीजिए।(A-4 आकार के पृष्ठों पर)
- 2- लक्षद्वीप से संबंधित कोई एक लोककथा चित्र सहित परियोजना रूप में लिखिए।
- 3- कबीर के 2 दोहे कंठस्थ कीजिए और भावार्थ व शिक्षा सहित कक्षा में सुनाइए ।
- 4- दिए गए सभी अभ्यास -पत्र पूर्ण कीजिए ।

नोट -उपर्युक्त कार्य को आंतरिक मूल्यांकन के अन्तर्गत जाँचा जाएगा ।

MATHS :

A Quantitative Study of the Andaman and Nicobar Islands”

You are required to create a project file based on the following guidelines. Use real-world data and apply Class X mathematics concepts to analyze and present information.

Calculating the Area and Perimeter of Islands

- Calculate the area and perimeter of different islands in the Andaman and Nicobar Islands group.
- Use formulas for area and perimeter of various shapes (e.g., circles, rectangles, triangles).

Analyzing Population Growth

- Collect data on the population growth of the Andaman and Nicobar Islands over the years.
- Create a bar graph or chart comparing the population growth of the Andaman and Nicobar Islands from 2011 to 2021.
- Calculate the percentage increase or decrease in population.

Budgeting for a Trip

- Plan a hypothetical trip to the Andaman and Nicobar Islands.
- Calculate the total cost of the trip, including transportation, accommodation, and activities.

- Create a budget plan and calculate the daily expenses.

Literacy rate percentage

Calculate the percentage increase or decrease in the last 10 years

Male-female ratio

Calculate the change in the ratio over a period of 10 years

Submission Guidelines :

Use neat handwriting and proper headings.

Include a cover page with your name, class, and project

Ensure that the visual representations are neat, colorful, and informative.

Grading Criteria :

1. Content knowledge and understanding
2. Research and analysis
3. Creativity and presentation
4. Organization and format

SCIENCE :

1.) ART INTEGRATION PROJECT :

Prepare projects as per the topics allotted to the section.

Class-10 A - **Physics**

Class-10 B - **Physics**

Class-10 C - **Biology**

Class-10 D - **Biology**

Class-10 E - **Chemistry**

PROJECT TOPIC FOR PHYSICS

Imagine a night when stars aren't just twinkling overhead but also casting a magical glow beneath your feet. Welcome to the bio-luminescent beaches of Havelock Island, Andaman – a spectacle that's not just mesmerizing but downright enchanting. The Andaman Islands host a remarkable natural light show known as bioluminescence. When the sun sets on the Andaman Islands, the shores come alive with this nature's most enchanting

phenomena—bioluminescence. The Andaman Islands are the Indian Archipelago in the Bay of Bengal. Andaman Islands has a diverse and vibrant marine life. Coral reefs: True treasures of the Andaman Island. This emerald archipelago is an underwater paradise teeming with marine life, from schools of fish to magnificent coral-line formation. Explore the biodiversity, underwater marine life, spectacular scientific phenomena and prepare a Scientific/ Technical Report and highlight the following components.

- i) Bioluminescence phenomena.
- ii) Cause of this luminescence effect.
- iii) Present the pictures of bioluminescence phenomena of Andaman as well as of Lakshadweep island.
- iv) Chemical composition and formation of colorful corals.
- v) pH level and salinity of coral reefs.
- vi) Support spectacular view of different phenomena in light with various pictures like atmospheric refraction, refraction of light in water bodies, scattering of light, sunrise / sunset from Andaman - Nicobar Islands / Lakshadweep Island. Elaborate any two such phenomena.

PROJECT TOPIC FOR CHEMISTRY (Choose any one of the following topics :

- i) Prepare a leaflet depicting the minerals resources of the coral island Andaman and Nicobar islands.
- ii) Prepare a brochure on water quality index of Andaman and Nicobar islands.

PROJECT TOPIC FOR BIOLOGY

- i) Create a model, painting, collage, or diorama showcasing the ecosystem (mangrove forest, coral reef, etc.).
- ii) Use traditional tribal art styles of Nicobarese or Onge communities to depict organisms or food chains.
- iii) Include handmade leaflets, masks, or tribal art-based posters of endangered species

All the above should be made using **ONLY ECO- FRIENDLY RECYCLABLE/ REUSABLE WASTES**

2.) Complete the following assignments in your Class register.

The worksheets can be accessed using the link below.

<https://in.docworkspace.com/d/sIB7y8uQnr47ewAY?sa=601.1074>

SOCIAL SCIENCE :

Every student must undertake one project on

The students will develop the following competencies:

Consumer Awareness OR Social Issues OR Sustainable Development

Objectives:

- The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from an interdisciplinary perspective.
- It should also help in enhancing the Life Skills of the students.
- Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.
- If required, students may go out for collecting data and use different primary and secondary resources to prepare the project.
- If possible, various forms of art may be integrated in the project work.

- ❖ Collaboration
- ❖ Use analytical skills.
- ❖ Evaluate the situations during disasters.
- ❖ Synthesize the information.
- ❖ Find creative solutions.
- ❖ Strategies the order of solutions
- ❖ Use right communication skills

Guidelines:

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

S.no	Rubrics	Marks
a	Content accuracy, originality and collaborative skills	2

b	Competencies exhibited and Presentation	2
c	Viva	1

Prepare a 7-10 page(A4size) detailed report on the historical background and the geographic location of the Andaman and Nicobar islands. Highlight land use pattern and composite culture.

PHYSICAL ACTIVITY TRAINER :

Details of the PAT Project :-

- 1) Theme :- Andaman and Nicobar
 - A) Sports Introduction of Andaman and Nicobar
 - B) Sports History of Andaman and Nicobar
 - C) Sports infrastructure of Andaman and Nicobar
 - D) Traditional Sports of Andaman and Nicobar
 - E) Regional Sports of Andaman and Nicobar
 - F) Water sports of Andman and Nicobar
 - G) Any 4 Famous Sportspersons from Andaman and Nicobar
- Project should at least be 20 Pages.

INFORMATION TECHNOLOGY :

Create a spreadsheet using *Calc* on different flora and fauna found in Andaman and Nicobar