



**HOLIDAY HOMEWORK**  
**CLASS XI-2023-24**

**ENGLISH**

**PROJECT WORK**

A **Project Report** is a compilation of the work that is produced during the process of working on a project.

Students are required to prepare a Project Report, based on the guidelines given, and submit the file having minimum 8-10 pages to their respective English teachers, for evaluation.

**Select any 1 project- Project A OR Project B**

**PROJECT A**

1. Choose a book from the given options.

- \* To Sir With Love- ER Braithwaite
- \* Animal Farm- George Orwell

2. Prepare a file on the chosen book covering the following pointers. The file should be thematically decorated. Book cover should be attractive and self-descriptive.

- a) First page - Acknowledgement
- b) Second page - Index
- c) Third page - Setting
- d) Fourth page onwards- Character Sketches
- e) Following pages-
  - (i) Plot and Structure
  - (ii) Theme
  - (iii) Style
  - (iv) Critical appreciation
  - (v) Your own point of view

**PROJECT B : Travel Brochure on Lakshadweep (Andaman and Nicobar Islands).**

Design a **travel brochure** to Andaman and Nicobar Islands using the four sides of a folded A3 sheet

Include the following details:

- a) the places to visit
- b) cuisine
- c) weather
- d) culture
- e) festivals celebrated in the state
- f) the packages available

### ART INTEGRATION PROJECT

- **Title :**

A project on the golden rectangle and golden ratio exploring the mathematical and aesthetic properties of these concepts and creating artwork that incorporates them.

- **Procedure**

Research the concept of golden Rectangle and golden ratio. Research the history and properties of the golden Rectangle and golden ratio. Learn about how they are related to each other and how they have been used in art and architecture throughout history. Gather inspiration from different sources such as books, articles, videos, and artworks.

Based on your research and inspiration, plan your artwork.

Using the materials and techniques you have chosen, create your artwork. Collect images of different monuments where this concept incorporated

Reflect on your project and think about what you have learned about the golden Rectangle, golden ratio, and how they relate to art and design. Write a reflection that describes your creative process and what you have gained from it.

### WORKSHEET: TO BE DONE IN MATHS REGISTER

Find the domain and range of the following functions:

Q1)  $y = \frac{x}{1-x^2}$

Q2)  $y = \frac{1}{[x]-x}$

Q3)  $y = \sqrt{x^2 - 16}$

Q4)  $y = x - |x|$

Q5)  $y = \sqrt{\frac{1-|x|}{2-|x|}}$

Solve for x:

Q6)  $\frac{6x}{4x-1} < \frac{1}{2}$

Q7)  $1 \leq |x - 2| \leq 3$

Q8)  $\left| \frac{2}{x-4} \right| > 1$

Q9) Find the domain of the function given by  $f(x) = y = \sqrt{x^2 - 5x + 6} + \sqrt{2x + 8 - x^2}$

Draw the graph of the following functions. Also find their domain and range

Q10)  $y = |\log|x||$

Q11)  $y = |x - 3| - |x + 4|$

Q12)  $y = ||x + 2| - |x - 3||$

Q13)  $y = |2 - |x - 3||$

### SCIENCE with CS : EK BHARAT SHRESTH BHARAT PROJECT

Students are required to choose one of the activities given below:

1 (a) Conduct a study on the similarities and differences among the two tribes of Andaman Islands (Negrito group) and Nicobar Islands (Mongoloid group). Prepare a 1000 words research paper on how Andamanese have closer affinities to Asians than to Africans.

(b) The Andaman and Nicobar Islands by virtue of unique climatic factors and location are considered as one of the hotspots of the world's biodiversity.

Prepare a ppt on any five endemic species of birds each of Andaman and Nicobar Islands and compare their beak size and shape to find out if the shape of bird beaks changes from island to island. Also list three factors that have led to morphological evolution.

**OR**

2 (a) Students can collect data on one of the following parameters and calculate average value for the months of APRIL AND MAY and also calculate standard deviation.

(a) Maximum daily temperature recorded in Lakshwadeep Islands

(b) Minimum daily temperature recorded in Lakshwadeep Islands

(c) Rainfall (day wise) recorded in ANDAMAN ISLANDS

(d) HUMIDITY (DAY WISE) recorded in ANDAMAN ISLANDS

**STUDENTS TO WRITE A PROGRAM IN PYTHON TO CALCULATE THE AVERAGE AND STANDARD DEVIATION**

(b) Students to watch the video [Lakshadweep will be submerged under sea | Study by IIT-Kharagpur June 2021 | Global warming - YouTube](#)

And carry out research on the issue and steps which might help in resolving the issue. Each student will record a video of themselves (1-2 minutes) summarising their research.

**OR**

3 (a) "In Lakshadweep islands, fresh water occurs as lenses floating over saline water, making fresh water a precious commodity."

Find out more about the application of reverse osmosis in desalination of water. Make an interesting ppt /flyer. This should include information about the first desalination plant in

Lakshadweep to produce freshwater. The ppt/flyer to be uploaded on the google classroom on the provided link. (Suggestion: Use Canva)

(b) Watch the video and prepare an infographic on the coral extinction and its consequences (include images)

[Climate change causes extensive coral bleaching in Andamans | WION Climate Tracker | WION News - YouTube](#)

## COMMERCE with IP

### **Task 1: FEARLESS INNOVATORS- THE ENTREPRENEUR IN YOU**

Have a business idea? So, entrepreneurial minds unleash your entrepreneurial skills and create a future-focused, innovative idea, product, or service that has the potential to become a profitable business venture.

#### **GENERAL GUIDELINES**

1. This is a group project. Maximum number of students allowed per team is four.
2. Ideas must be original. Plagiarism will lead to disqualification.
3. Initial investment required for the business idea should not exceed Rs. 5 lacs.
4. Students are allowed to use props to make their pitch impressive.

You are required to prepare a PPT to submit your business ideas which explains the following:  
(Suggestion: Use Canva or PowerPoint or Microsoft Designer)

- Problem statement
- Business plan (innovative product/service)
- Novelty
- Target market
- Brand name and Tagline
- Market strategy (online & offline)
- Revenue strategy
- Cost structure
- Value addition to society (CSR)
- Jingle/Advertisement for promotion

While making the presentation, your team should be able to answer specific questions regarding your innovative idea like:

- 👉 What is the problem you are trying to solve?
- 👉 What are the existing solutions?
- 👉 What are you proposing? Why is it innovative? How does it solve the problem better than existing solutions?
- 👉 Who is your target market or customer?
- 👉 What is your pricing strategy?

👉 What all cost-effective Marketing methods will you be using?

## **TASK 2: LETS TRACK NIFTY50**

NIFTY 50 is an index consisting of India's top 50 large-cap companies that are leaders in their respective sectors. So, only some of the biggest and most reputed companies in India become a part of this index. And the index is used as a hypothetical portfolio that can reflect the overall movement in the Indian stock market.

The change in the NIFTY 50 that you often see in the news comes from the change in the stock prices of the 50 underlying companies that constitute the index.

- Identify any 5 companies from NIFTY50.
- Track the highest and lowest price of the company stock price on daily basis.
- Tabulate the data date wise in the month of June.
- Plot the data using graphical representation.
- Identify 2 news which affected the stock price of the company.

## **TASK 3: EXPLORING THE ANDAMAN AND NICOBAR ISLANDS**

The Andaman and Nicobar Islands, located in the east of the Indian mainland geographically, float in splendid isolation in the Bay of Bengal. Once a hill range extending from Myanmar to Indonesia, these picturesque undulating islands, islets numbering around 836, are covered with dense rain-fed, damp and evergreen forests and endless varieties of exotic flora and fauna.

The local crafts of Andaman and Nicobar Islands include woodwork and carpentry. Several wooden articles and furniture are sold here. Items made from ornamental wood like chui, paduk and marblewood are quite popular. Paduk burr is mostly used to make tabletops that are a beautiful piece of work.

You are the owner of a Travel company “*Relax and Enjoy*”.

- Plan an itinerary for 4 days and 3 nights to Andaman and Nicobar Island.
- Compute the cost per head inclusive of travel, accommodation, sightseeing.
- Make an e-brochure using the art of Andaman and Nicobar Island.
- The Culture, Art and craft, Places to visit, etc of island itinerary should be a part of the e- brochure.
- Also find out the statistical data on the following parameters, tabulate the data and present with the help of bar diagrams, pie charts and graphs in E-brochure using Canva or PowerPoint or Microsoft Designer or Photoshop

*(Diagrammatic / graphic presentation must be done using some peculiar art form.)*

1. Domestic tourist arrival in the state for a period of five years.
2. Foreign tourist arrival in the state for a period of five years.
3. The top 5 source countries for foreign tourist arrivals in island
4. Top 5 exports items of the territory
5. State's earnings/ revenues from tourism.

## PHYSICAL EDUCATION

Design a project on Games (Water Games) played in Lakshadweep and Nicobar Islands. (**Note: Submit the above document on Google classroom.**)

**Project File : Make a project on Fitness Tests administration**

- Practical-1: Fitness tests administration. (SAI Khelo India Test)
- Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
- Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.

## HISTORY

### PROJECT WORK

#### GUIDELINES

- The project work must be done in a project file .
- The project work must be done individually by each student.
- Use illustrations, pictures and sketches wherever possible.
- Art Integration - must be done by the students themselves. Print outs and pictures are not allowed for Art Integration.

**Students may choose any one project work from the following topics:**

#### TOPIC 1:

Ancient History in depth: Mesopotamia

- Students will research on the classical and medieval views of Mesopotamia; its rediscovery in modern times
- On the map of West Asia mark
  - Extent of the Mesopotamian Civilization
  - Important cities
  - Rivers which supported this civilization.
- Collect information on important facts of Mesopotamia
  - Hammurabi's code of law
  - Ziggurat
  - Scientific inventions
  - Technology in Mesopotamia
- Write an article on why Mesopotamia is often referred to as an urban Civilization.
- Prepare a timeline of notable rulers of Mesopotamia and their achievements.
- **ART INTEGRATION: CLAY MODELLING**
  - Prepare a seal each for Mesopotamia & Indus Valley Civilization

- Compare the two seals and write down the differences that you observe between them.

What do you conclude from the ancient history of Mesopotamia?

## TOPIC -2:

### Contributions of the Roman Civilization

- Research on the various evidences and sources which help us to reconstruct the history of the Roman Empire.
- On the map of the world mark the extent of the Roman Empire
- Prepare a timeline of important Roman Emperors and their achievements.
- Ancient Rome had a large influence on the modern world”. Justify with reference to the given subtopics
  - Art and Architecture
  - Technology and Science
  - Literature and Language
  - Law

- **ART INTEGRATION: ART FORM: SKETCHING**

The Arch as an Architectural Symbol- Evolution And Technology

Romans used the arches in a variety of ways: from giant aqueducts to an architectural element in buildings such as the Coliseum at Rome.

In India, there have been signs of arches being used since the Buddhist era (c.4th century BC). Here wandering monks cut out caves in the hillsides and often used the arch as a way to mark the entrance of such rock cut caves.

Using sketching as an art form compare the Ancient Roman Arches with the Ancient Indian arches.

Pen down the differences observed in about three -five points.

Conclude your project with noteworthy accomplishments of ancient Romans which have left an indelible impact on you.

## GEOGRAPHY with IP

India's two island groups are very different from one another. Lakshadweep is archipelago of twelve atolls, three reefs and five submerged banks, with a total of about thirty-six islands and islets whereas the **Andaman and Nicobar Islands** consists of 572 islands, of which 37 are inhabited. Explore more about these islands and prepare a travel itinerary highlighting the physical and cultural attributes of the island assigned to you. Your presentation should include:

1. Latitudinal and longitudinal extent of the island group
2. Map of the area
3. Total Area and Population
4. Flora and fauna

5. Distinct physical features
6. Languages spoken.
7. Which aspect of that area interests you the most

**Kindly note:**

1. You can use software or tool you are comfortable with. (*Suggested Tools: Canva / MS PowerPoint / Microsoft Designer / MS Publisher*)
2. Attach pictures and videos to explain the reason why you included that area.
3. You should learn and write at least one statement in the local language.
4. Activities that you would like to undertake.
5. Group 1 (Roll no. 1 to 35) will work on Andaman and Nicobar Islands.
6. Group 2 (roll no. 36 to 70) will work on Lakshadweep Islands.

## **POLITICAL SCIENCE**

### **TOPIC 1 (Roll no. 1- 33)**

The public policy think tank of the central government, NITI Aayog, has proposed an ambitious and controversial project - 'Holistic Development of Great Nicobar Islands in Andaman and Nicobar Islands' Project.

Read about this Project and write a newspaper report covering the following aspects:

- A. Strategic importance of the Project in terms of National Security and the consolidation of the Indian Ocean Region, especially in the wake of increasing Chinese assertiveness in the Bay of Bengal and the Indo-Pacific region.
- B. Environmental and Social cost of the Project on the fragile ecosystem & vulnerable tribal groups of the Great Nicobar Island respectively.

*Note: The Article must include the following:*

- A suitable title.
- A comic strip/ political cartoon, related to the article.
- Administration of the UT, with special reference to the powers of the Lieutenant Governor.

### **TOPIC 2 (Roll no. 34- 66)**

The Indian Government's policy think-tank, Niti Aayog, recently had put plans to build water villas at India's most popular island destinations, Lakshadweep. Read more about such ecotourism projects and write a newspaper report, critically evaluating their impact on the fragile ecosystem of the region.

*Note: The Article must include the following:*

- A suitable title.
- A comic strip/ political cartoon, related to the article.
- Administration of the UT, with special reference to the powers of the Administrator.



## HOME SCIENCE

On the basis of your understanding of UNIT I- UNDERSTANDING ONESELF ADOLESCENCE (CBSE curriculum- 2023-24) conduct and record the following investigatory assignments in a practical file. Paste suitable pictures as evidence wherever necessary.

**INTRODUCTION-** During adolescence – the period you are going through presently – we start thinking more than ever about who am I? What makes ‘me’ different from ‘others’? At this stage, more than at any other stage before this, we try to define our ‘self’.

### ASSIGNMENT 1- ART INTEGRATION ACTIVITY

**THEME:** Journey of My Self

You are invited to depict the journey of your “self” on any one or multiple dimensions discussed in UNIT-I, through the various stages of your life travelled so far. Let it be a creative reflection of your strengths, abilities and all the things that make you what you are!

**NAME OF ACTIVITY:** Collage or Mosaic Work

Collage and mosaic work with a variety of coloured papers and coloured printed pictures/photographs from magazines, newspapers or waste material.

### ASSIGNMENT 2-

Paste a photo of yourself at the age of 5 years, 10 years, and 15 years. Write briefly on how you have changed over the years. Use this discussion to highlight the concept of Identity covered in Chapter 1- UNDERSTANDING THE SELF.

References- NCERT textbook pg. no. 18 and ELESSION\_HSC\_11\_2

### ASSIGNMENT 3-

Identify a child who is 5 years old, 9 years old, and 13 years old respectively. Record their description of self and analyse its age appropriateness.

References- NCERT textbook pg. no. 11 and ELESSION\_HSC\_11\_2

### ASSIGNMENT 4-

Record your diet for a day. Evaluate each meal in terms of inclusion of the five food groups. Do you think the diet is balanced? Use the following format to write your response.

MEAL / MENU	FOOD GROUPS INCLUDED

Comment on whether meal is balanced/not balanced. Interview members of your family such as your grandmother, mother or aunt to collect information about–

- Food taboos giving reasons why the taboos are followed.
- Food practices during fasting and festivity from the region of India to which you belong.
- Preparations during fasting.

Tabulate the information as follows.

REGION OCCASION (NATURE OF FAST)	PREPARATION	NUTRIENTS PRESENT

Give two inferences on the basis of the information tabulated

References- NCERT textbook pg. no. 46 and ELESSION\_HSC\_11\_3

## PAINTING

**“Creativity is giving yourself permission to see things differently.”**

**-David Robert**

The following activities will help students to express freely their ideas, expressions about different aspects of life and enhance their observation.

### Activity 1: “Observe and Absorb”

This activity would provide avenues for expression of natural and manmade environments .  
Study work of three different vegetables . Compose it with contrast drapery.

Size of paper - A3

Medium - Poster\ Pencil Colours.

Objective - Enhance their observation and interpretation of objects from nature.

### Activity 2: “Field visit and experience”

Explore artist work and their concepts.

#### Visit to art galleries

- A visit to NGMA (National Gallery of Modern Art)
- Lalit Kala Academy.

Objective - Relationship between artworks and artists will be evoked.

Click a good photograph inside the gallery along with art exhibits. Make a video sharing the experiences regarding the same.

Apps can be used : inshorts. kinemaster, canva

All images and videos to be mailed at

[vandana.razdan@pp.balbharati.org](mailto:vandana.razdan@pp.balbharati.org)

### Activity 3: Outdoor sketching

“Sketching is an essential tool for artists”

Location for outdoor that can be of help -

- Dilli Haat
- Nearby park or any suitable and safe place where you can observe and draw

Objective: Enhance their motor skills and observational skills.

All works to be done in your sketch file.