

Lt. Col. MEHAR LITTLE ANGELS SR. SEC. SCHOOL

WINTER VACATION HOLIDAY HOMEWORK

CLASS X (2025-26)

INSTRUCTION FOR ART INTEGRATED PROJECT

1. Art integrated project must be compiled in one single file.
2. A neat and attractive cover page is mandatory.
3. An index page is compulsory and should be placed after the cover page.
4. The homework should be arranged subject-wise, with clear division/separation for each subject.
5. The work should be neat, well-labelled, and submitted on time

ENGLISH

Q1. Paragraph Writing (100–120 words)

The Andaman & Nicobar Islands are famous for their natural beauty and historical importance. Write a paragraph highlighting both aspects. Paste the related pictures.

Q2. Draw or paste a picture showing the traditional life of Lakshadweep. Write a short paragraph explaining how nature influences the life of the people there.

हिन्दी - कला समेकित परियोजना कार्य

अंडमान – निकोबार अथवा लक्षद्वीप के नृत्यों के आयोजन का **एक विज्ञापन लिखिए** जो किसी आयोजन करने वाली कंपनी की ओर से लिखा गया हो। जिसमें कुछ नृत्यों के चित्र , नृत्यों की एक-एक विशेषता, आयोजन का स्थान , टिकट वितरण , टिकट शुल्क आदि का वर्णन हो।

MATHEMATICS

Make project showing comparison of lakshadweep islands with Delhi in terms of their area, their population and climatic differences . Different types of graphs may be used.

SOCIAL SCIENCE

Compare

(i) the soil

(ii) flora and fauna

(iii) Agriculture

(iv) Minerals and Energy Resources

(v) Industries of Delhi and Andaman and Nicobar Islands or Lakshadweep Island

ECONOMICS

Write down the importance and characteristics features of the “Economic activities of Andaman and Nicobar Islands and Lakshadweep Islands”

SCIENCE

CHEMISTRY

Answer the following questions:

1. What is the chemical composition of seawater in the Andaman and Nicobar Islands and how does it affect marine life?
2. How does corrosion occur more rapidly in coastal regions like Andaman and Nicobar Islands? Explain with chemical equations and preventive methods.
3. What is ocean acidification? Explain its chemical equations and its effect on coral reefs found in Andaman and Nicobar Islands.
4. How is freshwater obtained on islands using chemical processes such as desalination and water purification?
5. What role does calcium carbonate (CaCO_3) play in the formation of coral reefs, and how does change in Ph affect it?
6. How does plastic and chemical pollution impact the marine ecosystem of Andaman and Nicobar Islands from a chemistry perspective?

BIOLOGY

1. Topic: Andaman and Nicobar Islands

Write about the location of islands, types of ecosystems, Flora(any3), Fauna (3).

Draw and colour one diagram of mangrove ecosystem or coral reef.

2. Topic: Lakshadweep islands

Write about the location of islands, major ecosystems, Flora(any2), Fauna (2).

Draw a labelled diagram of coral reef ecosystem.

3. Biodiversity Importance

Explain any four points showing the importance of biodiversity in these island regions.

PHYSICS

1. How do seismic waves generated under the ocean lead to the formation of tsunamis and why were the Andaman and Nicobar Islands severely affected in 2004?
2. How can the properties of waves (wavelength, amplitude, speed and energy) be represented through art, models or diagrams to explain tsunami behavior near islands?
3. Why are mangrove forests important in reducing the energy of ocean waves and how can this concept be shown using art integrated coastal model?
4. Why is solar energy considered the most suitable renewable energy source of the Islands from a physics point of view?
5. How does the conversion of solar energy take place and how can island life be artistically depicted using solar powered homes?

INFORMATION TECHNOLOGY

1. Complete and practice the Practical File.
2. Solve and practice two sample papers in your IT register.