

# **DELHI ENGLISH ACADEMY**

**(CBSE Affiliated Sr. Secondary School)**

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The cover features a vibrant beach scene. At the top, a bright yellow sun with rays is partially obscured by a blue cloud. The title 'SUMMER VACATION' is written in large, bold, blue, slightly irregular capital letters. Below the title, a large white rectangular sign with a blue wooden frame is centered. Inside the sign, the text 'HOLIDAY HOMEWORK', 'SESSION 2024 - 25', and 'CLASS IX' is written in bold black capital letters. The background of the sign is a light blue sky. At the bottom of the cover, two palm trees with green fronds and brown trunks stand on a sandy beach. Between them is a small round white table with two striped beach chairs (red and yellow stripes) facing each other. A large beach umbrella with alternating red and yellow segments is open behind the table. The entire scene is framed by a decorative border at the top and bottom, featuring a repeating pattern of small, colorful geometric shapes.

# SUMMER VACATION

**HOLIDAY HOMEWORK**  
**SESSION 2024 - 25**  
**CLASS IX**



The background of the entire page is a vibrant blue collage of various school and science-related items. At the top, there are colorful pencils and pens. To the right, a microscope is depicted. Below it, a beaker and a test tube are visible. A ruler and a paper airplane are also scattered throughout the design. The overall theme is education and learning.

**Learning is the beginning of wealth.**

**Learning is the beginning of health.**

**Learning is the beginning of spirituality.**

**Searching & Learning is where the miracle process all begins.**


**.....Jim Rohn**

**Dear Parents and Students,**

**Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you relax and refresh yourselves, it is also important that you exercise your minds.**







Keeping this in mind, we have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/ assignments would enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving academic output.

These activities will not only help you to revise what was taught, but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activity, Portfolio or Art Integrated activity.

We encourage parents to motivate and support the students to ensure the given work is completed in time, to the best of their ability. Your support and encouragement both have a huge impact on your child's learning ability.





## **General Instructions: -**

**Bring holidays homework neatly decorated.**

**Take printout of worksheet on A-4 size sheet and do the assignment neatly as directed.**

**We are not expecting a work of art completed by parents, just help your ward and encourage him/her to do the task themselves.**

**Holiday Homework will be assessed and awarded on the basis of neatness, creativity and timely submission**

**Holiday Homework last date of submission is on or before 05/07/2024.**

**Follow the guidelines given by teachers to complete specific activities.**



## **Subject- English**

### **Activity**

- **Prepare a colourful Magazine on Andaman & Nicobar Islands. (Roll No. 1 – 6)**  
**Instructions-** The magazine should have five or six sections. It should be creative & informative. Paste pictures also. Use A-4 size sheets. The content pages given below:
    1. Cover Page
    2. Content Page
    3. Introduction
    4. Features
    5. People's dress
    6. Dishes
    7. Art Forms
  - **Prepare a captivating Travel Brochure on Andaman & Nicobar Islands. (Roll No. 7 – 45 onwards)**
  - **Make a Project File on the following topics-**
    - (a) The Fun They Had (Roll. No.1-23)
    - (b) The Road not Taken (Roll. No. 24 onwards)
  - **Page wise Explanation:**
    - (i) First page – Details (Name, Class, Roll no, Subject and Section)
    - (ii) Second page – Acknowledgement
    - (iii) Third page – Index
    - (iv) Summary
    - (v) Character
  - **Pull Out Worksheet**  
Complete these pages in your Pull Out Worksheet
    - a) Descriptive Paragraph – Page No. 65 and 67
    - b) Factual Passage – Page No. 40 and 45
    - c) Dairy Entry - Page No. 68 and 70
- 
- ❖ **Do the worksheet of literature in English A & grammar in English B notebook.**
  - ❖ **Recapitulate the work done in class.**
  - ❖ **Prepare for P.T.1**

## Subject- Hindi

### Activity

- अंडमान निकोबार द्वीपसमूह में वहाँ की आदिवासी जनजाति किस प्रकार के आभूषण पहनती है, अलग अलग तरह रंगीन मोती ,चिकनी मिट्टी की सहायता से गले व कान के आभूषणों के नमूने तैयार करें। (Roll No. 7 – 12)  
जैसे -



IndiaMART  
Alike Oxidised Jewellery ...



The Times of India  
Places To Shop In Andaman a...



Dreamz Yatra  
Shopping Places in Andaman ...



AndamanMarket · In stock  
Multicolor Natural Pearl Neck...



Ritikart · In stock  
Buy Online Tribal Jewellery Dho...



- अंडमान निकोबार द्वीपसमूह के धार्मिक स्थलों पर चित्र एकत्रित करके कोलाज बनाइए ।  
(Roll No. 1 – 6, 13 – 45 onwards)

- ❖ Do the worksheet of literature in Hindi A & grammar in Hindi B notebook.
- ❖ Recapitulate the work done in class.
- ❖ Prepare for P.T.1

## **Subject- Mathematics**

### **Activity**

- **Prepare a model of tribal hut of Andaman and Nicobar with the help of cylinder and cone shapes. (Roll No. 13 – 18)**
- **Make a colorful tribal face mask with the help of geometrical figure on Cartesian plane. Mark any two point in figure and write their coordinates. (Roll No. 1 – 12, 19 – 45 onwards)**

### **Lab Manual**

- **Do lab manual activity no. 1,2,6,11,15 in your lab manual.**
  - ❖ **Do the worksheet in Mathematics notebook.**
  - ❖ **Recapitulate the work done in class.**
  - ❖ **Prepare for P.T.1**

## **Subject- Science**

### **Activity**

- **Prepare a model depicting biodiversity of Andaman & Nicobar Islands. (Roll No. 19 – 24)**
- **Prepare a collage on Medicinal plants of Andaman and Nicobar Islands with description of botanical name, parts used, diseases. (Roll No. 1 – 18, 25 – 45 onwards)**

### **Lab Manual**

- **Complete the following experiments in your lab manual.**
  - a. A colloidal solution of starch in water and egg albumin/ milk in water and distinguish between these on the basis of transparency, filtration criterion, and stability
  - b. Preparation of a mixture, a compound using iron fillings and sulphur powder and distinguishing between these on the basis of;
    - I. Appearance i.e homogeneity and heterogeneity
    - II. Behaviour towards a magnet
    - III. Behaviour towards carbon disulphide as a solvent
    - IV. Effect of heat
  - c. Preparation of stained temporary mounts of onion peel and human cheek cells and to record observations and draw their labelled diagrams.
    - ❖ **Do the worksheet in Science notebook.**
    - ❖ **Recapitulate the work done in class.**
    - ❖ **Prepare for P.T.1**



## **Subject- Social Science**

### **Activity**

- **Prepare a model on Art and Craft of Lakshadweep Island. (Roll No. 25 – 30)**
- **Prepare a collage on a cuisine of Lakshadweep islands on A-3 size sheet. (Roll No. 1 – 24, 31 – 45 onwards)**

- **Make a Project file on Disaster Management**

**Roll. No. 1 to 12- Earthquake**

**Roll. No. 13 to 22 – Fire**

**Roll. No. 23 to 32 – Drought**

**Roll. No. 33 onwards – Land slide**

### **Material Required**

1. Use A 4 size sheets and file.
2. Make project presentable.
3. Do not over decorate the project.
4. Pictures should be included in the project related to the topic.
5. For heading use bold marker or sketch pen etc.
6. Use different colours to make it attractive.

- ❖ **Do the worksheet in History notebook.**
- ❖ **Recapitulate the work done in class.**
- ❖ **Prepare for P.T.1**

## **Subject- Information Technology**

### **Activity**

- **Prepare a model on Satellite connectivity of Andaman & Nicobar Islands. (Roll No. 31 – 36)**
- **Prepare a collage on Satellite connectivity of Andaman & Nicobar Islands. (Roll No. 1 – 30, 37 – 45 onwards)**

- ❖ **Do the worksheet in Information Technology notebook.**
- ❖ **Recapitulate the work done in class.**
- ❖ **Prepare for P.T.1**

## **Subject- Physical Education**

### **Activity**

- **Prepare a model on any one sports. (Any one- Volleyball, Basketball, Cricket, Kho-Kho, Kabaddi, Athletics). (Roll No. 37 – 42)**
- **Prepare First – Aid Box (Roll No. 43 – 45 onwards)**
- **Prepare a chart on postures of Yoga. (Roll No. 1 – 36)**

- **Lab Manual**

**Do lab manual Practical No.**

- 1. Shot put)**
- 2. Any one game of your choice**
- 3. Yoga in your lab manual**

## **Subject- Art**

### **Activity**

- **Make a painting on Life & Nature in water in Andaman & Nicobar Island. (Roll No. 43 – 45)**
- **Make a beautiful underwater scene on A-4 pastel sheet using paper craft. (Roll No. 1– 42)**



**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – English (Literature)**  
**Class – IX**

**Answer the following questions:**

Q1. What did Margie hate the most?

Q2. How does Margie feel about school?

Q3. Where did Tommy find the book?

Q4. How old was Margie and Tommy?

Q5. When did Margie learn Punch code?

Q6. How did the fair distract the child's mind?

Q7. What were some of the things that the parents would not buy for the child?

Q8. What was the child's reaction on seeing the sweets seller?

Q9. What did the man do to make the child happy?

Q10. Describe the roundabout scene and what attracted the child?

**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – English (Grammar)**  
**Class – IX**

Q1. Fill in the blanks with determines.

- a) The camel is ..... ship of desert. For ..... Arab it is the ..... useful animal. .... Arabian camel has a hump, ..... Bactrian camel has two. ....hump is, in fact, a store of fat.
- b) There is ..... saying ‘Nothing venture, nothing have’. It means that if you do not have ..... courage, you do not have a chance of succeeding in ..... life. If you read ..... lives of all the great men and women you will learnt that they are not afraid. .... brave person succeeds better than a coward. It is ..... mistake to think that only the soldiers need courage.
- c) ..... dog has been with ..... man for ..... thousands of years. It was perhaps ..... first time animal. Of all ..... tame animals, it is perhaps ..... most faithful and the most useful one.
- d) Thomas Lincoln was too poor to give Abe paper, pencil and ..... books or even ..... lamp. Abe used coal as ..... pencil and flat pieces of wood as paper. Abe took ..... books to the fields and read them while he was ploughing. He learned and worked at ..... same time. He never wasted ..... time.
- e) The ..... day when i was going for a walk, i heard ..... one shriek. I looked up in ..... direction of the hill and saw .....  
Boy standing on the ridge of a rock. He had ascended ..... rock all right but was unable to climb down. By ..... time i reached him i was **exhausted**.

Q2. You lie in your bed chamber listening to the patter of the rain. Many memories of your childhood occupy your mind. Write a diary entry in a about 100 – 150 words about the most important experience that you can recollect.

Q3. Imagine you are the grandfather who owns a private zoo in the chapter “Adventure of Toto”. Write a diary entry experiencing your feeling on selling too?



**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – Hindi (पाठ्य पुस्तक)**  
**Class – IX**

**निम्नलिखित प्रश्नों के उत्तर लिखिए ।**

- 1) शब्द और पद की परिभाषा अपने शब्दों में लिखिए।
- 2) निम्नलिखित शब्दों में उचित स्थान पर अनुस्वार व अनुनासिक का प्रयोग करें।  
आचल बधन सभव मुह
- 3) रैदास किस प्रकार की भक्ति के समर्थक थे?
- 4) रैदास के अनुसार किन-किन लोगों का ईश्वर ने उद्धार किया है ?
- 5) बाजार के लोग खरबूजे बेचने वाली स्त्री के बारे में क्या- क्या कह रहे थे ?
- 6) भगवाना की माँ को कोई उधार क्यों नहीं दे रहा था ?
- 7) गिल्लू जैसा लघुकाय जीव भी प्रेम को समझकर उसकी प्रतिक्रिया या आभार प्रकट करना चाहता है। कैसे ?
- 8) पशु पक्षियों को पालना आपकी दृष्टि कहाँ तक उचित है ? 'गिल्लू' पाठ के आधार पर लिखें।

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**Holiday Homework Worksheet**  
**Subject – Hindi (व्याकरण)**

**Class – IX**

प्रश्न 1 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए :

प्रसन्न रहना ईश्वर की सर्वोपरि भक्ति है। प्रसन्नता मानव को ईश्वर का दिया हुआ अनुपम उपहार है। आज के व्यक्ति को प्रसन्नता व मानसिक शांति की इसलिए तलाश है, क्योंकि अधिकांश मनुष्य अपने जीवन से अप्रसन्न हैं। खुश रहना आसान नहीं है। जब तक हमारा अज्ञान रूपी अंधकार ज्ञान रूपी प्रकाश में परिवर्तित नहीं होता, तब तक आंतरिक प्रसन्नता का दिग्दर्शन नहीं हो सकता। जीवन का यथार्थ मूल्यांकन करके ही हम खुद को प्रसन्न रख सकते हैं। व्यर्थ की भविष्य की योजनाएँ बनाते रहना और अतीत की अप्रिय घटनाओं में खोए रहने की प्रवृत्ति प्रसन्नता प्राप्ति में सर्वाधिक बाधक है। अतः सकारात्मक दृष्टिकोण अपनाते हुए वर्तमान में जीने की आदत बनानी चाहिए। प्रसन्न रहकर ही हम ईश्वर के कृपा-पात्र बन सकते हैं। यह प्रसन्नता हमें दूसरों की निःस्वार्थ सेवा करने से प्राप्त होती है। कहा भी गया है कि नर की सेवा से ही नारायण प्रसन्न होते हैं। यही प्रसन्नता प्राप्ति का गुरुमंत्र है, और इसी में ईश्वर की सर्वोपरि भक्ति समाहित है।

- (1) आंतरिक प्रसन्नता कैसे प्राप्त होती है ?
- (ii) हमें वर्तमान में जीने की आदत क्यों बनानी चाहिए ?
- (iii) प्रसन्नता प्राप्ति का गुरु-मंत्र क्या है ?
- (iv) ईश्वर की सर्वोपरि भक्ति क्या है ?
- (v) कथन (A) तथा कारण (R) को पढ़कर उचित विकल्प चुनकर लिखिए -

कथन (A)- सकारात्मक दृष्टिकोण अपनाते हुए वर्तमान में जीने की आदत बनानी चाहिए। कारण (R) व्यर्थ की भविष्य की योजनाएँ बनाते रहना और अतीत को अप्रिय घटनाओं में खोए रहने की प्रवृत्ति प्रसन्नता प्राप्ति में सर्वाधिक बाधक है।

- (क) कारण (R) सही है कथन (A) गलत है।
- (ख) कथन (A) सही है किंतु कारण (R) गलत है।
- (ग) कथन (A) तथा कारण (R) दोनों सही हैं।
- (घ) कथन (A) और कारण (R) दोनों गलत हैं।



**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – Mathematics**  
**Class – IX**

**Solve the following:**

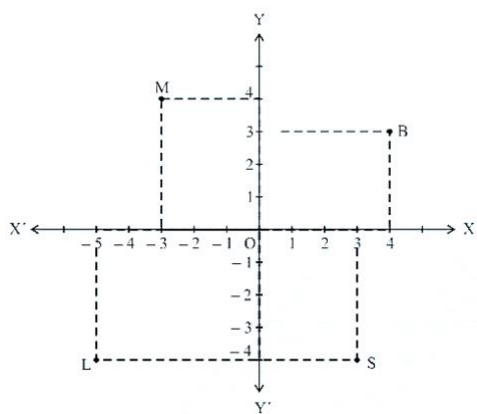
Q1. Simplify:  $\left[5 \left(8^{\frac{1}{3}} + 27^{\frac{1}{3}}\right)^3\right]^{\frac{1}{4}}$

Q2. Express  $4.\overline{7}$  in the form  $\frac{p}{q}$

Q3. If  $x + 2k$  is a factor of  $f(x) = x^5 - 4k^2 x^3 + 2x + 2k + 3$ , find  $k$ .

Q4. Simplify:  $(a + b + c)^2 + (a - b + c)^2$

Q5. Write the co - ordinates of each of the following points marked in the graph paper.



Q6. If  $x = 3k + 2$  and  $y = 2k - 1$  is a solution of the equation  $4x - 3y + 1 = 0$ , find the value of  $k$ .

Q7. Simplify:  $(2\sqrt{5} + 3\sqrt{2})^2 - (2\sqrt{5} - 3\sqrt{2})^2$ .

Q8. Find  $a$  and  $b$  if  $\frac{3+2\sqrt{6}}{3-2\sqrt{6}} = a\sqrt{6} - b$

Q9. Simplify:  $(27)^{-2/3} \div 9^{1/2} \cdot 3^{-3/2}$

Q10. If  $\sqrt{2} = 1.414$  and  $\sqrt{3} = 1.732$ , find the value of  $\frac{5}{\sqrt{2} + \sqrt{3}}$

Q11. Find four solutions of each of the following equations:

a.  $2x - 3y = 6$

b.  $5x + 6y = 15$

Q12. Find the value of  $p$  if  $(2, 3)$  is the solution of  $2x - 3py + 14 = 0$

**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – Science**  
**Class – IX**

**Answer the following questions:**

Q.1 How does the water and gases move in and out of the cell?

Q.2 Why does the lysosomes called the suicidal bag?

Q.3 What is sublimation? Give two example.

Q.4 A gas exert pressure on the walls of the container. Give reason.

Q.5 Liquids generally have lower density as compared to solids, but you must have observed that ice floats on water. Why? Give reason to justify your answer.

Q.6 An artificial satellite is moving in a circular orbit of radius 42250 km. Calculate its speed if it takes 24 hours to revolve around the earth.

Q.7 A farmer moves along the boundary of a square field of sides 10m in 40s. What will be the magnitude of displacement of the farmer at the end of 2minutes 20 seconds from his initial position.

Q.8 Distinguish between speed and velocity.

Q.9 What can you say about the motion of an object if its speed- time graph is a straight line parallel to the time axis?

Q.10 Define hypertonic, hypotonic and isotonic solution.

**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – Social Science**  
**Class – IX**

**Answer the following questions:**

- Q.1 Explain the importance of India's location on the globe.
- Q2. Write the difference between the longitudinal and latitudinal extent of India.
- Q.3 What do you mean by legal framework order?
- Q.4 Give common features of democratic government.
- Q.5 Compare the democratic system of China with the Mexico.
- Q.6 Distinguish between kharif and rabi season.
- Q.7 What do you mean by green revolution ?
- Q.8 What is a land suggest any 3 ways to sustain land.
- Q.9 What is the significance of the Suez Canal?
- Q.10 What are the features of democracy?

**Delhi English Academy**  
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**Holiday Homework Worksheet**  
**Subject – Information Technology**  
**Class – IX**

**Answer the following questions:**

Q1. What is outsourcing?

Q2. Define:

a) Contracting company

b) The BPO vendor

Q3. What is KPO?

Q4. Name some areas where the application of IT and its tool have made a useful impact.

Q5. What is Chatbots?

Q6. What is digital locker?

Q7. What is Word Processor?

Q8. What do you mean by the term word wrapping?

Q9. What is meant by text alignment?

Q10. What is the use of general options of Open office Writer?

Q11. What is the most common character formatting option?

Q12. What is page orientation?