



DELHI ENGLISH ACADEMY

*Inspiring
Minds,
Shaping
Futures*

SUMMER

Holidays



HOMEWORK

CLASS XII A

Laying the foundation of excellence



DELHI ENGLISH ACADEMY



Summer vacation is your time to shine - a chance to chase new dreams, explore the world around you and grow in ways you never imagined.

Dear Parents and Students,

Greetings from Delhi English Academy!

Summer vacation is a cherished chapter in a child's life - a season of joy, freedom and boundless possibilities. It offers young minds the precious opportunity to pursue their interests, explore their creativity and indulge in the simple pleasures of family togetherness. Whether it is laughter shared with siblings, stories exchanged with grandparents, or adventures embarked upon with parents, these golden days become the most treasured moments in a student's journey.



SUMMER VACATION

Relax • Explore • Learn • Grow



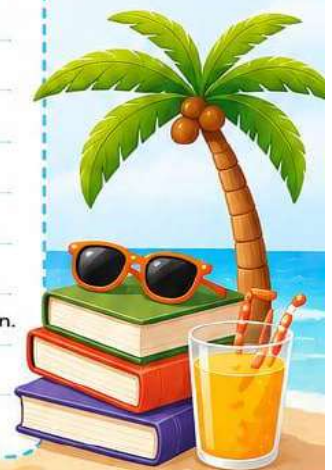
Dear Students,

As you begin your holiday break, remember to balance rest, recreation, and learning. Please follow these instructions carefully to complete your holiday homework in an organized and effective manner.



HOMECWORK GUIDELINES

- Plan your schedule wisely to complete all assignments on time.
- Avoid last-minute stress; complete a little work each day.
- Ensure your work is neat, legible, and well-organized.
- Use appropriate stationery and maintain clean pages.
- Clearly label each assignment with your Name, Class, and Subject.
- All worksheets must be completed in the notebooks.
- Plagiarism or copying from others will not be appreciated.
- Be creative, especially in projects and artwork.
- Use books, educational websites, and other reliable sources for help.
- Mention sources wherever required for research-based work.
- Late submissions will not be accepted.
- Marks will be awarded for every assignment, worksheet, and project.
- You may take guidance from parents or guardians, but the work should remain your own.
- Use your holidays to relax, explore hobbies, and spend quality time with family.
- Maintain a healthy routine and stay safe.



IMPORTANT DATES

Activity	Date
School Reopens	1st July 2026
Submission of Holiday Homework	6th July 2026

✦ Wishing You a Joyful, Safe, and Productive Holiday! ✦



Delhi English Academy
Summer Holiday Homework
Class: XII
Session: 2026-27

English
Activity

1. Prepare A Catalogue showcasing the glimpse of Andaman and Nikobar island and Lakshadweep Sea.
2. Make a project file based on any one of the given lesson.(Roll No wise)
 - The Third Level (1 to 7)
 - The Tiger King (8 to 14)
 - Lost Spring (15 to 21)
 - My Mother At Sixty Six(22 to 28)
 - Deep Water (29 to 35)
 - The Last Lesson (36 to 42)

Points to Remember

- Only plain ruled sheets are allowed
- Use blue n black pen only
- Sketch colours for highlights only
- Neat Handwriting
- Images are compulsory
- Use of Correction pen strictly prohibited

Page wise presentation

1. Acknowledgement
2. Certificate
3. Index
4. Introduction
5. Characters
6. Character's Sketch
- 7 About author
8. Critical analysis
9. Theme
10. Summary
11. Conclusion
12. Bibliography

- ❖ Do the worksheet in English notebook.
- ❖ Recapitulate the work done in class.

Mathematics

Activity

1. Math Art Integrated activity on A3 size sheet on Andaman and Nicobar

Use scale maps of the islands to measure distances between key locations. Apply concepts of scale factor and unit conversion.

- ❖ **Revise ch 3, 4 and 5**
- ❖ **Do the worksheet in Mathematics notebook.**
- ❖ **Recapitulate the work done in class.**

Chemistry

Activity

- ❖ **Model on Sustainable Island Ecosystem of Lakshadweep Water Desalination Point (Roll 15 onwards)**

Prepare a 3D working model on “Sustainable Lakshadweep & Andaman – Nicobar Islands” showing desalination, coral reef protection, ocean pollution control, and renewable energy. Use simple materials and explain the chemistry concepts involved in water purification and environmental conservation.

- ❖ **On a colourful A3 size sheet make a project about the “Marine Chemistry and Sustainable Life in Lakshadweep & Andaman -Nicobar Islands”. Include coral reefs, desalination, ocean pollution, renewable energy, and chemistry of sea water with diagrams and labels.**

Project File:

- **Make a project file based on the given topics as per the roll no mentioned below:**
 - 1. Importance of Reverse Osmosis in Water Purification (roll 1-6)**
 - 2. Green alternatives to CFCs (roll 7- 12)**
 - 3. Uses of Lanthanides in Modern Technology (roll 13-18)**
 - 4. Fuel Cells as Future Energy Sources (roll 19-24)**
 - 5. Cisplatin and cancer treatment (25-31)**

Instructions:

- 1. Only plain ruled sheets will be used**
- 2. Use black and blue pen only (Correction pen absolutely prohibited)**
- 3. Neat Handwriting must**
- 4. Sketch colours for highlights only**
- 5. Pictures/Images are compulsory**

Page wise presentation:

1. Cover Page
2. Certificate
3. Acknowledgement
4. Index
5. Introduction
6. Objectives Of the Project
7. Main Content
8. Case Study
9. Picture/ Charts
10. Conclusion
11. Bibliography

❖ *Do the worksheet in your Chemistry notebook.*

❖ *Recapitulate the work done in class.*

Biology

Activity

- ❖ Prepare a creative Flip Strip Book on any one topic of Reproduction (Plants/Human/Reproductive Health). Compulsory for all students.

Investigatory Project Topics

Student Name	Assigned Topic
Akshita	Study of Antibiotics, Their Uses and Antibiotic Resistance
Arpita	Study of Drug Addiction and Its Effects on Human Health
Bhuvi	Study of HIV/AIDS and Preventive Measures
Deepika	Study of DNA Fingerprinting and Its Applications
Divyanshi	Study of Human Genome Project and Genetic Disorders
Garima	Study of Useful Microbes in Household and Industrial Products
Hardik	Study of Alcohol Abuse and Its Physiological Effects
Ishika	Study of Cancer: Causes, Detection and Treatment
Karmveer	Study of Recombinant DNA Technology in Medicine
Khushi	Study of Biogas Production Using Microorganisms
Kirty	Study of Blood Groups and Blood Donation

Nandini	Study of Biofertilizers and Their Role in Sustainable Agriculture
Preyasi	Study of Biodiversity Conservation and Environmental Protection
Sanskriti	Study of Human Immunity and Vaccination
Sheetal	Study of Sewage Treatment Process Using Microorganisms
Shubham	Study of Genetically Modified Crops and Their Impact
Vanshika	Study of Plant Tissue Culture and Micropropagation Techniques

Investigatory Project Format

- a) Cover Page – Project Title, Student Name, Class & Section, Roll Number, Subject, Session and School Name.**
- b) Acknowledgement**
- c) Certificate**
- d) Index**
- e) Aim of the Project**
- f) Introduction**
- g) Material Required**
- h) Theory**
- i) Procedure / Methodology**
- j) Observation**
- k) Precautions**
- l) Results and Discussion**
- m) Conclusion**
- n) Bibliography / References**
- o) Printed images/pictures related to the topic can be pasted in the project file.**
- p) Images should be neat, relevant and properly labeled.**
- q) Students may also use , newspaper cuttings, tables and graphs wherever required.**
- r) Project file should be neat and preferably handwritten.**
- s) Project should be done on A4 sheet arranged in an assignment file.**
- t) Headings can be written in calligraphy. Use blue and black ball pens for the remaining content.**

❖ Do the worksheet in your Biology notebook.

❖ Recapitulate the work done in class.

Physics

Activity

- ❖ **Prepare a model**
 1. **Model of Household circuit. (Roll No. 1 – 7)**
 2. **Model of diffraction from thin sheet. (Roll No. 8 – 14)**
- ❖ **Make a chart on Geomagnetism, Geophysics & Tectonics geodynamics and maritime studies of Andaman and Nicobar Islands, Lakshadweep islands. (Roll No.**
- ❖ **Prepare a Physics Investigatory Project File .**

Roll No.	Investigatory Project Topic
1, 18	To study moving coil galvanometer
2, 19	To study temperature effect on resistivity
3, 20,	To study the charging and discharging of capacity in RC circuit
4, 21	To study the Lenz law of electromagnetic induction
5, 22	To study full heave rectifeir
6, 23,	To study the phenomena of diffraction of light
7, 24	To study the opsation of the Wheatstone bridge circuit & its use
8, 25,	To study magnetic properties of materials
9, 26	To study the law of polarization of light
10, 27	To study the photoelectric effect
11, 28	To study the various factors on which the internal resistance of the cell depends
12, 29	To study the relation b/w the ration of input & output voltage, No. of turns in secondary & primary coil of transforms
13, 30	To study total internal reflection
14, 31	To study hydrogen spectrum
15	To study the young's double slit experiment
16	To study the effect of temp. on conductivity od semi-conductor
17	To study refraction of light through glass prism

❖ *Do the worksheet in your Physics notebook.*

❖ *Recapitulate the work done in class.*

Computer Science

Activity

- ❖ **Tourism Information System (Menu-Driven)**
- ❖ **Create a program that helps users explore the Andaman Nicobar Island**
- **Feature:** A menu allowing users to select a place (e.g., Cellular Jail, Radhanagar Beach, Havelock) to see brief details and activities.
- **Python Logic:** Use a dictionary where keys are beach names and values are activities (e.g., "Scuba Diving," "Snorkelling").
- **Sample Statement:** islands = {"Radhanagar": "Swimming", "Havelock": "Scuba Diving"}.

❖ *Do the worksheet in your Computer Science notebook.*

❖ *Recapitulate the work done in class.*

Physical Education

Activity

- ❖ **Activity on topic Andaman and Nicobar (Roll No. 1 – 39)**

Divide A3 into sections:

- 1. Introduction of islands**
- 2. Climate & its effect on sports**
- 3. Popular sports**
- 4. Importance of fitness**
- 5. Conclusion**

❖ *Do the worksheet in your Physical Education notebook.*

❖ *Recapitulate the work done in class.*

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-English Grammar

Q1. Prepare a Beautiful chart A3 size sheet presenting the different types of languages spoken in the country.

OR

Make a beautiful landscape on A3 size sheet on the chapter journey to the end of the earth.

Q2. Report Writing

Your school recently organized a Tree Plantation Drive on the occasion of Environment Day.

Write a report (120–150 words) for your school magazine including:

Date and place

Activities conducted

Participation and outcome

Q3. Article Writing

Increasing use of mobile phones is affecting students' studies and health.

Write an article (120–150 words) on the topic:

“Impact of Mobile Phones on Students”

Include:

Causes

Effects

Suggestions

Q4. Invitation Card

Your school is organizing an Annual Day Function.

Draft a formal invitation card including:

Date, time, venue

Chief guest

RSVP details

Q5. Notice Writing

You are the Head Boy/Head Girl of your school. Your school is organizing a Debate Competition.

Write a notice (50 words) including:

Date and time

Topic

Registration details

Q6. Job Application Letter

You have seen an advertisement for the post of an English Teacher in a reputed school.

Write a job application letter (120–150 words) including:

Qualification

Experience

Skills

Why you are suitable

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-English Literature

Q1. What was Charlie's Hallucination?

Q2. Where was the Third Level ?

Q3. What is the theme of My mother at 66?

Q4. Why did Charlie wanted to escape from the present world?

Q5. What forces conspire to keep the workers in the bangle industry in Firozabad?

Q6. What do you infer from Sam's letter to Charlie?

Q7. What was so special about M-Hamel's cloth?

Q8. What was so unusual that day?

Q9 who was watcher? what did he say to Franz?

Q10. How did Douglas overcome his fear?

Delhi English Academy
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Holiday Homework Worksheet
Subject-Mathematics

Q1. If A is a square Matrix such that $A^2=I$, then find the simplified value of $(A-I)^3+(A+I)^3-7A$

- a) $7A$ b) A c) $6A$ d) A^2

Q2. Find the value of a and b where

if $A=B$, where $A=[\begin{matrix} a+4 & 3b \end{matrix}]$

$[\begin{matrix} 8 & -6 \end{matrix}]$

$B = [\begin{matrix} 2a+2. & b^2+2 \end{matrix}]$

$[\begin{matrix} 8. & b^2-10 \end{matrix}]$

- a) $a= 2$ $b= 2$ b) $a=2$ $b= 3$ c) $a=3$ $b= 4$ d) $a=4$ $b=1$

Q3.If A is a square Matrix of order 3 and $|A| = 5$ find the value of $|2A|$

- a) 10. b) -40. c) 40. d) -10

Q4. The principal value of $\tan^{-1}(\tan 5\pi/4)$ is

- a) $2\pi/5$ b) $-2\pi/5$ c) $3\pi/5$ d) $-3\pi/5$

Q5.If A IS A invertible matrix of order 3 and $|A| = -4$ then find the value of $|A \cdot \text{Adj}A|$

- a) -64 b) 4 c) 64 d) 4

Q6. The principal value of $\sin^{-1}(-1/2)$ is

- a) $-\pi/6$ b) $\pi/6$ c) $3\pi/4$ d) $\pi/2$

CASE STUDY

Q7. Three students Ram, Mohan and Ankit go to a shop to buy stationary. Ram purchases 2 dozen notebooks, 1 dozen pens and 4 pencils, Mohan purchases 1 dozen notebook, 6 pens and 8 pencils and Ankit purchases 6 notebooks, 4 pens and 6 pencils. A notebook costs ₹15, a pen costs ₹4.50 and a pencil costs ₹1.50.

Let A and B be the matrices representing the number of items purchased by the three students and the prices of the items respectively.

Based on the above information, answer the following questions:

- a) Find the order of matrix B representing the price of three items
b) Find the order of matrix A representing items purchased by three students
c) Find the bill amount of Ram
d) Find the total bill amount.

Delhi English Academy
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Holiday Homework Worksheet
Subject-Chemistry

A. Fill in the blanks:

1. Name a member of lanthanide series which exhibits +4 oxidation state along with its electronic configuration. _____.
2. Higher the value of _____ at given P the lower is its solubility.
3. _____ is used in desalination of water.
4. t- butyl alcohol on heating with sodium methoxide gives _____ instead of t- butyl ether.
5. The common name of _____ is Freon-12.

B. Short Questions

1. What happens when acetone is added to pure ethanol?
2. Why salts of Zinc are transparent or white in colour?
3. Measurement of osmotic pressure method is preferred for the determination of molar mass of macromolecules such as protein and polymer. Why?

C. Long Questions

1. Why actinoid contraction is greater in elements to elements than lanthanoid contraction?
2. A 4% solution (w/w) of sucrose ($m=342\text{g/mol}$) in water has freezing point of 271.5K . Calculate the freezing point of 5% glucose ($M=180\text{g/mol}$) in water. (freezing point of pure water = 273.1K).
3. Write the names of alkyl halide and sodium alkoxide used to prepare tert-butyl ether?

D. Draw the mechanism of SN_1 and SN_2 reaction.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Biology

Theme: Andaman & Nicobar Islands and Delhi (Union Territory)

Instructions

1. Attempt all questions in a neat and well-organized manner.
2. Homework should be done on the school notebook (school copy).
3. Use clear and well-labeled diagrams wherever required.
4. Correlate each answer with examples from Andaman & Nicobar Islands and Delhi wherever possible.
5. Maintain proper presentation and use correct biological terminology.

Questions (Reproduction – Human & Plant)

1. Describe the structure and functions of the human male reproductive system with a labeled diagram.
Correlation: Relate reproductive health with environmental conditions in Delhi and Andaman & Nicobar Islands.
2. Explain the structure of the human female reproductive system and describe the menstrual cycle.
Correlation: Compare how lifestyle and environmental conditions influence reproductive health in Delhi and Andaman regions.
3. Describe the process of spermatogenesis and oogenesis with suitable diagrams.
Correlation: Explain how environmental factors may affect these processes in different regions.
4. Explain the events of fertilization and implantation in humans.
Correlation: Discuss healthcare awareness and maternal health differences in Delhi and Andaman & Nicobar Islands.
5. Describe various methods of contraception and their importance.
Correlation: Compare population control awareness in Delhi and island regions.
6. Explain infertility and describe Assisted Reproductive Technologies (ART).
Correlation: Discuss availability of such techniques in metropolitan vs remote regions.
7. Describe the structure of a typical anther and explain microsporogenesis with a diagram.
Correlation: Relate to plant diversity in tropical Andaman and urban Delhi.
8. Explain megasporogenesis and describe the structure of the embryo sac.
Correlation: Link with reproductive adaptations in plants of different environments.
9. Describe the process of pollination and its types.
Correlation: Compare pollination agents in natural ecosystems of Andaman and urban areas of Delhi.
10. Explain double fertilization and its significance in flowering plants.
Correlation: Relate to reproductive success of plants in diverse ecosystems.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Physics

1. Two charges of $3\mu C$ and $5\mu C$ are placed 2 m apart. Find the electrostatic force between them.
2. How many electrons are present in a charge of $4.8 \times 10^{-19} C$?
3. Two identical charges repel each other with a force of 9N when separated by 1 m. Find the value of each charge.
4. Find the electric potential at a distance of 0.5 m from a charge of $8\mu C$.
5. A charge of 4C requires 200J of work to move between two points. Find the potential difference.
6. Calculate the work done in moving a charge of 2C through a potential difference of 12V.
7. A capacitor stores $2 \times 10^{-4} C$ charge at a potential difference of 100V. Find its capacitance.
8. Find the energy stored in a capacitor of capacitance $4\mu F$ charged to 50V.
9. A $10\mu F$ capacitor is connected to a 200V supply. Find the charge stored.
10. A resistor of 12Ω carries a current of 2A. Find the potential difference across it.
11. Find the resistance of a conductor when a current of 5A flows through it on applying 50V.
12. An electric heater operates on 220V and draws 4A current. Find its resistance.
13. A bulb draws 0.25A current from a 240V source. Find its power.
14. In a balanced Wheatstone bridge, $P = 4\Omega$, $Q = 8\Omega$, $R = 6\Omega$. Find S .
15. A metre bridge is balanced at 30 cm. If the known resistance is 12Ω , find the unknown resistance.
16. In a Wheatstone bridge, $P = 10\Omega$, $Q = 5\Omega$, $S = 4\Omega$. Find R .
17. In a balanced Wheatstone bridge, $P = 3\Omega$, $Q = 9\Omega$, $R = 12\Omega$. Find S .

Delhi English Academy
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Holiday Homework Worksheet
Subject-Computer Science

Answer the following questions-

- Q1. Write a program to print cubes of numbers in the range 15 o 20.
- Q2. What do you understand by the term Iteration?
- Q3. Write the name of any four data types available in Python.
- Q4. Write a program that checks for presence of a value inside a dictionary and prints its key.
- Q5. What is a string slice ? How is it useful?
- Q6. Write a program to add two numbers through a function.
- Q7. Write a program that receives two numbers in a function and returns the results of all arithmetic operations (+, -, *, / , %) on these numbers.
- Q8. Difference between actual parameter and a formal parameter with a suitable example for each.
- Q9. Difference between a local variable a global variable ? Also give a suitable Python code to illustrate both.
- Q10. Write a file to display the size of a file in bytes.
- Q11. Write a program to display the number of lines in the file.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Physical Education

Q1 What is sports event management?

Q2 What do you mean by a committee in sports events?

Q3 Name any two committees required for a sports event.

Q4 What is intramural tournament?

Q5 What is the meaning of female athlete triad?

Q6 Explain the role of the organizing committee in a sports event.

Q7 What is extramural tournament? Give one example.

Q8 List any four advantages of sports participation for children.

Q9 Explain the causes of female athlete triad.

Q10 Mention any two myths related to women's participation in sports.



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HOMESCHOOLWORK

CLASS XII B

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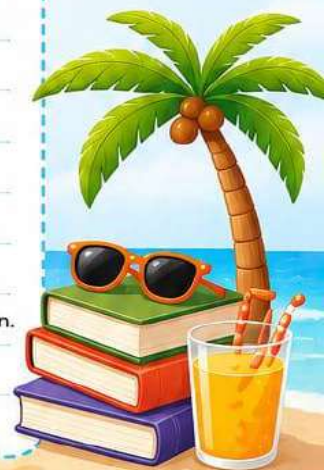
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- **The Tiger King (8 to 14)**
- **Lost Spring (15 to 21)**
- **My Mother At Sixty Six(22 to 28)**
- **Deep Water (29 to 35)**
- **The Last Lesson (36 to 42)**

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Page wise presentation

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- 7 About author**
- 8. Critical analysis**
- 9. Theme**
- 10. Summary**
- 11. Conclusion**
- 12. Bibliography**

- ❖ **Do the worksheet in English notebook.**
- ❖ **Recapitulate the work done in class.**

Mathematics

Activity

- 1. Math Art Integrated activity on Andaman and Nicobar Islands can focus on data analysis, modeling architectural structures, or mapping patterns using statistics and geometry.**
- 2. Make a project on A3 size sheet on Andaman and Nicobar**

Use scale maps of the islands to measure distances between key locations. Apply concepts of scale factor and unit conversion.

- ❖ Revise ch 3, 4 and 5**
- ❖ Do the worksheet in Mathematics notebook.**
- ❖ Recapitulate the work done in class.**

Accountancy

Activity

- Create drawings/models of coconut shell handicrafts famous in the islands and prepare accounting records for the business.**

Project Work

- One specific project based on financial statement analysis of a company covering any two aspects from the following:**
 - 1. Comparative and common size financial statements**
 - 2. Accounting Ratios**
 - 3. Segment Reports**
 - 4. Cash Flow Statements**

- ❖ *Do the worksheet in your Accountancy notebook.***
- ❖ *Recapitulate the work done in class.***

Business Studies

Activity

- ❖ Make a model of Banking system of Andaman and Nicobar Island.(Roll No. 1 to 9)
- ❖ "Collage making of various **DIMENSIONS OF BUSINESS ENVIRONMENT IN ANDAMAN & NICOBAR**)

Project Work

- **Project 1 : Principles of Management**
- **Project 2 : Elements of Business Environment**
- **Project 3 : Marketing Management**

❖ *Do the worksheet in your Business Studies notebook.*

❖ *Recapitulate the work done in class.*

Economics

Activity

- ❖ Prepare a **POSTER** on comparative economic study of Delhi and the Andaman & Nicobar Islands using both economic data and creative artistic expression on topics (any two)
 - GDP and per capita income
 - Main sources of income (agriculture, industry, services, tourism)
 - Employment patterns o Literacy and education
 - Infrastructure and population
 - Environmental sustainability and eco-tourism
- ❖ Make a model on sectors of an economy based on Andaman and Nicobar Island.(Roll No. 10 to 15)

Material Required

- Cardboard
- Glue
- Colourful paper
- Sketch pens etc.

Project Work

General Instructions for Project Work:

1. Use A-4 Size white colour single sided ruled sheet. (Do not use any colourful or designing sheets.)
2. Use colourful pens i.e., colourful sketch pens for headings only. (Do not use sparkle pens)
3. Remaining part of the project will be written with blue pen
4. Colour pictures related to the topic must be pasted on blank side of A-4 size sheet except Bibliography and Conclusion sheet.
5. Minimum 23 sheets required for the project.
6. Do not write page no. on the sheet.
7. Do not write Acknowledgement and Certificate.

Make project file as per the details given below and discussions done in class.

Project file

Name of the topics	Name of Students of Class XII – B	Name of Students of Class XII – C
Self Help Group	<ul style="list-style-type: none">● Prince● Mohit● Arman● Tushar	<ul style="list-style-type: none">● Rohit Godara● Kanav● Harsh Jangid● Himanshu Lal
Contemporary Employment Situation in India	<ul style="list-style-type: none">● Bhavishay● Aman Singh● Kartik Godara	<ul style="list-style-type: none">● Kanika● Mumpy● Kiran● Niteen Kumar
Government Budget and Its Components	<ul style="list-style-type: none">● Vaibhav Rajput● Kushal	<ul style="list-style-type: none">● Nidhi● Sanjana● Vanshika Dalal
Role of RBI in Control of Credit	<ul style="list-style-type: none">● Kartik Rana● Uttkarsh	<ul style="list-style-type: none">● Muskan● Aditya● Hemant
Monetary Policy Committee and Its Functions	<ul style="list-style-type: none">● Vanshika● Nishika	<ul style="list-style-type: none">● Shinu● Anurag● Vaibhav Singh
Micro and Small-Scale Industries	<ul style="list-style-type: none">● Janvi● Nitish	<ul style="list-style-type: none">● Sonal● Jyoti● Anish

❖ *Do the worksheet in your Economics notebook.*

❖ *Recapitulate the work done in class.*

Computer Science

Activity

- ❖ **Tourism Information System (Menu-Driven)**
- ❖ **Create a program that helps users explore the Andaman Nicobar Island**
 - **Feature:** A menu allowing users to select a place (e.g., Cellular Jail, Radhanagar Beach, Havelock) to see brief details and activities.
 - **Python Logic:** Use a dictionary where keys are beach names and values are activities (e.g., "Scuba Diving," "Snorkelling").
 - **Sample Statement:** islands = {"Radhanagar": "Swimming", "Havelock": "Scuba Diving"}.

❖ *Do the worksheet in your Computer Science notebook.*

❖ *Recapitulate the work done in class.*

Physical Education

Activity

- ❖ **Activity on topic Andaman and Nicobar (Roll No. 1 – 39)**

Divide A3 into sections:

- 1. Introduction of islands**
- 2. Climate & its effect on sports**
- 3. Popular sports**
- 4. Importance of fitness**
- 5. Conclusion**

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-English Grammar

Q1. Prepare a Beautiful chart A3 size sheet presenting the different types of languages spoken in the country.

OR

Make a beautiful landscape on A3 size sheet on the chapter journey to the end of the earth.

Q2. Report Writing

Your school recently organized a Tree Plantation Drive on the occasion of Environment Day.

Write a report (120–150 words) for your school magazine including:

Date and place

Activities conducted

Participation and outcome

Q3. Article Writing

Increasing use of mobile phones is affecting students' studies and health.

Write an article (120–150 words) on the topic:

“Impact of Mobile Phones on Students”

Include:

Causes

Effects

Suggestions

Q4. Invitation Card

Your school is organizing an Annual Day Function.

Draft a formal invitation card including:

Date, time, venue

Chief guest

RSVP details

Q5. Notice Writing

You are the Head Boy/Head Girl of your school. Your school is organizing a Debate Competition.

Write a notice (50 words) including:

Date and time

Topic

Registration details

Q6. Job Application Letter

You have seen an advertisement for the post of an English Teacher in a reputed school.

Write a job application letter (120–150 words) including:

Qualification

Experience

Skills

Why you are suitable

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-English Literature

Q1. What was Charlie's Hallucination?

Q2. Where was the Third Level ?

Q3. What is the theme of My mother at 66?

Q4. Why did Charlie wanted to escape from the present world?

Q5. What forces conspire to keep the workers in the bangle industry in Firozabad?

Q6. What do you infer from Sam's letter to Charlie?

Q7. What was so special about M-Hamel's cloth?

Q8. What was so unusual that day?

Q9 who was watcher? what did he say to Franz?

Q10. How did Douglas overcome his fear?

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Mathematics

Q1. If A is a square Matrix such that $A^2=I$, then find the simplified value of $(A-I)^3+(A+I)^3-7A$

- a) $7A$ b) A c) $6A$ d) A^2

Q2. Find the value of a and b where

if $A=B$, where $A=[\ a+4\ 3b]$

$[8\ -6]$

$B = [2a+2.\ b^2+2]$

$[8.\ b^2-10]$

- a) $a= 2\ b= 2$ b) $a=2\ b= 3$ c) $a=3\ b= 4$ d) $a=4\ b=1$

Q3.If A is a square Matrix of order 3 and $| A | = 5$ find the value of $|2A|$

- a) 10. b) -40. c) 40. d) -10

Q4. The principal value of $\tan^{-1}(\tan 5\pi/4)$ is

- a) $2\pi/5$ b) $-2\pi/5$ c) $3\pi/5$ d) $-3\pi/5$

Q5.If A IS A invertible matrix of order 3 and $| A | = -4$ then find the value of $| A.AdjA |$

- a) -64 b) 4 c) 64 d) 4

Q6. The principal value of $\sin^{-1}(-1/2)$ is

- a) $-\pi/6$ b) $\pi/6$ c) $3\pi/4$ d) $\pi/2$

CASE STUDY

Q7. Three students Ram, Mohan and Ankit go to a shop to buy stationary. Ram purchases 2 dozen notebooks, 1 dozen pens and 4 pencils, Mohan purchases 1 dozen notebook, 6 pens and 8 pencils and Ankit purchases 6 notebooks, 4 pens and 6 pencils. A notebook costs ₹15, a pen costs ₹4.50 and a pencil costs ₹1.50.

Let A and B be the matrices representing the number of items purchased by the three students and the prices of the items respectively.

Based on the above information, answer the following questions:

- a) Find the order of matrix B representing the price of three items
b) Find the order of matrix A representing items purchased by three students
c) Find the bill amount of Ram
d) Find the total bill amount.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject- Accountancy

1. Q1. On 1st April, 2014, a firm had assets of Rs. 1,00,000 excluding stock of Rs. 20,000. Partners' capital Accounts showed a balance of Rs. 60,000. The current liabilities were Rs. 10,000 and the balance constituted the reserve. If the normal rate of return is 8%, the 'Goodwill' of the firm is valued at Rs. 60,000 at four year purchase of super profit, find the average profit of the firm.
2. V, M and S are partners sharing profits in the ratio of 3:2:1. Their Capitals on 1st April 2019 were Rs. 5,00,000; Rs. 3,00,000 and Rs. 2,00,000 respectively. As per the partnership deed partners are entitled to 10% p.a. interest on capital. S is guaranteed a minimum profit of Rs. 45,000 p.a. Deficiency (if any) will be borne by V and M in the ratio of 3:2. The firm incurred a loss of Rs. 90,000 for the year ended 31st March 2020. Give necessary entries giving effect to the minimum guaranteed profit to Sheena.
3. A business has earned average profits of Rs. 1,00,000 during the last few years and the normal rate of return in similar business is 10%. Find out the value of goodwill by
 - (i) Capitalisation of super profit method.
 - (ii) Super profit method, if the goodwill is valued at 3 years' purchase of super profit.The assets of the business were Rs. 10,00,000 and its external liabilities Rs. 1,80,000.
4. Kashyap, Bharadwaj and Vishwamitra are partners in a firm sharing profits and losses in the ratio 3:3:2. On 1st April 2021 their capital balances stood at Rs. 90,000 Rs. 80,000 and Rs. 70,000 respectively. The partnership deed provides interest on capital at 12% p.a. During the year 2021-22, the Net Profit of the firm was Rs. 1,20,000 distributed equally among the partners without providing interest on capital. You are required to pass an adjustment journal entry to rectify the errors. Show your working clearly.
5. X, Y and Z are in partnership for sharing profits in the ratio of 5:3:2. Their fixed capitals as on 31st March 2020 were Rs. 2,00,000, Rs. 2,00,000 and Rs. 1,00,000 respectively while their drawings were Rs. 10,000 each. After distribution of annual profits of Rs. 90,000 it was discovered that Interest on Capital was credited to all partners @ 12% p.a. in place of 10% p.a. and interest on drawings @ 10% p.a. was omitted. Pass a single adjustment entry to rectify the errors and show workings clearly.

Question No. 6 to 7 are based on the given text. Read the text carefully and answer the questions:

P and Q were partners in a firm sharing profits and losses equally. Their fixed capitals were Rs. 1,00,000 and Rs. 50,000 respectively. The partnership deed provided that interest on capital is to be given @ 10% p.a. For the year ended 31.03.2016, the profits of the year were distributed without providing interest on capital.

6. How much is already debited to P's current account?
- Rs. 7,500
 - Rs. 3,000
 - 2,500
 - Rs. 1,500
7. How much amount should be credited to P's current account for Interest on capital?
- Rs. 7,000
 - Rs. 9,000
 - Rs. 8,000
 - Rs. 10,000
8. A, B and C sharing profits and losses in the ratio of 10:6:4 , decide to share profit and losses in the ratio of 2:3:4 with effect from 1st April, 2021.

Investment Fluctuation Reserve -Rs.54,000

Investments (at cost) - Rs.6,00,000

Show the accounting treatment under the following alternative cases:

Case (i) If there is no other information.

Case (ii) If the market value of Investments is Rs.6,00,000.

Case (iii) If the market value of Investments is Rs.5,91,000.

Case (iv) If the market value of Investments is Rs.5,28,000.

Case (v) If the market value of Investments is Rs.6,60,000.

9. Madan and Mohan are partners sharing profits and losses in the ratio of 4:3. They admit C as partner for a 1/7th share in profits which he acquires equally from Madan and Mohan. Calculate new profit sharing ratio of the partners.

10. 'L' and 'M' are partners sharing profits in the ratio of 3:2. Following is the Balance sheet as on 31/03/2022.

11. Balance sheet

Liabilities	Rs.	Assets	Rs.
Partner capital account		Land and Building	80,000
L-	60,000	Furniture	10,000
M-	40,000	Machinery	20,000
Provision for bad debts	1,000	Debtor	25,000
Creditors	60,000	Cash	16,000

		Profit and Loss A/c	10,000
	1,61,000		1,61,000

D was admitted as a partner for 1/5th share on the following terms-

- a) The new ratio of the partners is 2:2:1.
- b) D brings Rs 30,000 as her capital and Rs. 15000 as her share of goodwill.
- c) Half of the goodwill is withdrawn by the old partners.
- d) A provision of 5% is to be maintained for doubtful debts.
- e) An item of Rs 500 included in sundry creditors is not likely to arise
- f) A provision of Rs 800 was to be made for damages against the firm.

After making the above adjustments the capital accounts of L and M to be adjusted on the basis of D's capital brought in the firm. Actual cash to be brought in or paid in cash.

Prepare Revaluation Account and Partners Capital Account.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Business Studies

Q1. Explain the following principles of management.

- (i) Division of work
- (ii) Remuneration of employees
- (iii) Subordination of individual interest to general interest

Q2. Alpha Ltd. manufactured water-heaters. In the first year of its operations, the revenue earned by the company was just sufficient to meet its costs. To increase the revenue, the company analyzed the reasons behind the less revenues. After analysis, the company decided:

- i) To reduce the labor costs by shifting the manufacturing unit to a backward area where labor was available at a very low rate.
- ii) To start manufacturing solar water-heaters and reduce the production of electric water-heaters slowly.
- iii) This will not only help in covering the risks but also help in meeting other objectives.
- iv) Identify and explain the objectives of management discussed above
- v) State any two values which the company wanted to communicate to society.

Q3. Usha works as a designer in an export house. As per the terms of an order received by the export house, she has to get 1000 units of denim jackets made in 15 days @ Rs.2000 per jacket. She is able to complete her target production in 20 days because in order to complete the order in 15 days she would have made the workers work over time. As a result, the cost of production per jackets may have increased by Rs.100. In the context of the above case, is Usha efficient in her work? Explain by giving a suitable reason in support of your answer.

Q4. A floor manager of a Mall is very capable as he utilizes all the functions of management. He lays stress on developing mutual trust and spirit of cooperation amongst the employees. Under his guidance the employees admit that they learn a lot and are able to meet their targets. This has led to an increase in their salaries.

Identify the principle of Fayol followed by the floor manager in the above case.

Q5. Rocky works on the floor of a mall as a manager. He is very hard working but is unable to produce results for his organization. His target for last month was a sale of 10 lakh rupees from his floor. However by the end of the month the sale was only 8 lakh rupees. He is very regular and takes all the necessary steps to complete the target. However his staff is not as competent as he himself is. When he tries to take action against disobedient employees the top management doesn't allow him to do so. They haven't given him the power to fire employees or take any strict action against them.

Which principle of Fayol is violated here by the Organisation?

Q6. Sumiti, who is heading the campus recruitment program of the firm that she is working in, gets an immediate order from the marketing head of the organization. Mr. Rupesh asks her to hire only those candidates who have two years experience in the field of marketing and offer them a higher package. Moments later when she is about to enter the campus she gets another call from the HR head who asks her to hire candidates with zero experience. He gives her the logic that such candidates would be expecting lower packages in comparison to the candidates having experience in the industry.

Which principle of Fayol stands violated here? What is the immediate outcome of the violation of this principle? State the principle.

Q7. Identify the dimensions of business environment in the following cases:

- i) Hand-woven carpets are banned in some European countries as they think there can be involvement of child labour in the manufacturing of these carpets. Products produced through the involvement of child labour are banned in these countries.
- ii) With the winning of a new party in a particular country an automobile company has decided to take back its plan of opening 15 plants in that country.
- iii) In the month of October a greeting card manufacturing company has decided to increase its scale of production of New Year Greeting Cards.
- iv) A chocolate making company has decided to make more sweetened chocolates for people living in a particular country.
- v) A super bike producing company has decided to withdraw its earlier proposal of opening 10 new plants in a country as it finds the per capita income of that country too low to purchase its bikes in large numbers.
- vi) Advertising of a particular brand is taken back as it is expected to hurt the sentiments of a particular section of society. The company takes this decision on a conscientious level.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Economics

General Instructions:

- This worksheet is to be done on fair note-book.
- It must be done in a very neat and presentable manner.
- Questions must be done in the given sequence.

Part - A Macro Economics

1. Multiple Choice Questions:

i. Macroeconomics is concerned with:

- (a) the level of output of goods and services in the economy
- (b) the general level of prices
- (c) GDP growth
- (d) all of these

ii) Study of general price level is the subject matter of:

- (a) microeconomics
- (b) macroeconomics
- (c) both (a) and (b)
- (d) none of these

2. Assertion(A): Intermediate goods have direct demand.

Reason(R): The demand for intermediate goods depends on demand for final goods.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- (b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
- (c) Assertion (A) is true, but Reason (R) is false.
- (d) Assertion (A) is false, but Reason (R) is true.

3. Statement 1: Households are the owners of the factors of production.

Statement 2: Household sector supplies goods and services to the producer sector.

- (a) Statement 1 is false and Statement 2 is true.
- (b) Statement 1 is true and Statement 2 is false.
- (c) Both Statements 1 and 2 are true.
- (d) Both Statements 1 and 2 are false

4. Answer the following questions:

- i) Why there is a circular flow between income, production and expenditure?
- ii) Explain real flow and money flow in a two-sector economy. Use diagram.

Part - B Indian Economic Development

5. Multiple Choice Questions:

- i) Occupational structure refers to
- (a) Distribution of working force among the different occupations
 - (b) Nature of different occupations
 - (c) Size of working force in a country
 - (d) Number of people living in a country
- ii) Which of the following statement is false in the context of industrial sector during British rules.
- (a) There was decline in handicraft industries
 - (b) The British government promoted capital goods industries
 - (c) India became an exporter of primary products
 - (d) There was low contribution of industries to GDP.

6. Assertion (A): India became an exporter of the primary products and an importer of finished consumer and capital goods produced in Britain.

Reason (R): Restricted policies of commodity production, trade and tariff pursued by the colonial government adversely affected the structure, composition and volume of India's foreign trade.

Alternatives:

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

7. Statement 1: Prior to 1921, India was in the first stage of demographic transition.

Statement 2: From the year 1921 onwards, India's population never declined and recorded a consistent rise.

Alternatives:

- a) Statement 1 is false and Statement 2 is true.
- b) Statement 1 is true and Statement 2 is false.
- c) Both Statements 1 and 2 are true.
- d) Both Statements 1 and 2 are false

8. Answer the following questions:

- i) Describe about the infrastructure in India during colonial period.
- ii) What objectives did British Government want to achieve through its economic policies?

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Computer Science

Answer the following questions-

- Q1. Write a program to print cubes of numbers in the range 15 o 20.
- Q2. What do you understand by the term Iteration?
- Q3. Write the name of any four data types available in Python.
- Q4. Write a program that checks for presence of a value inside a dictionary and prints its key.
- Q5. What is a string slice ? How is it useful?
- Q6. Write a program to add two numbers through a function.
- Q7. Write a program that receives two numbers in a function and returns the results of all arithmetic operations (+, -, *, / , %) on these numbers.
- Q8. Difference between actual parameter and a formal parameter with a suitable example for each.
- Q9. Difference between a local variable a global variable ? Also give a suitable Python code to illustrate both.
- Q10. Write a file to display the size of a file in bytes.
- Q11. Write a program to display the number of lines in the file.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject-Physical Education

Q1 What is sports event management?

Q2 What do you mean by a committee in sports events?

Q3 Name any two committees required for a sports event.

Q4 What is intramural tournament?

Q5 What is the meaning of female athlete triad?

Q6 Explain the role of the organizing committee in a sports event.

Q7 What is extramural tournament? Give one example.

Q8 List any four advantages of sports participation for children.

Q9 Explain the causes of female athlete triad.

Q10 Mention any two myths related to women's participation in sports.



DELHI ENGLISH ACADEMY

*Inspiring
Minds,
Shaping
Futures*

SUMMER

Holidays



HOMEWORK

CLASS XII C

Laying the foundation of excellence



DELHI ENGLISH ACADEMY



Summer vacation is your time to shine - a chance to chase new dreams, explore the world around you and grow in ways you never imagined.

Dear Parents and Students,

Greetings from Delhi English Academy!

Summer vacation is a cherished chapter in a child's life - a season of joy, freedom and boundless possibilities. It offers young minds the precious opportunity to pursue their interests, explore their creativity and indulge in the simple pleasures of family togetherness. Whether it is laughter shared with siblings, stories exchanged with grandparents, or adventures embarked upon with parents, these golden days become the most treasured moments in a student's journey.



SUMMER VACATION

Relax • Explore • Learn • Grow



Dear Students,

As you begin your holiday break, remember to balance rest, recreation, and learning. Please follow these instructions carefully to complete your holiday homework in an organized and effective manner.



HOMework GUIDELINES

- Plan your schedule wisely to complete all assignments on time.
- Avoid last-minute stress; complete a little work each day.
- Ensure your work is neat, legible, and well-organized.
- Use appropriate stationery and maintain clean pages.
- Clearly label each assignment with your Name, Class, and Subject.
- All worksheets must be completed in the notebooks.
- Plagiarism or copying from others will not be appreciated.
- Be creative, especially in projects and artwork.
- Use books, educational websites, and other reliable sources for help.
- Mention sources wherever required for research-based work.
- Late submissions will not be accepted.
- Marks will be awarded for every assignment, worksheet, and project.
- You may take guidance from parents or guardians, but the work should remain your own.
- Use your holidays to relax, explore hobbies, and spend quality time with family.
- Maintain a healthy routine and stay safe.



IMPORTANT DATES

Activity	Date
School Reopens	1st July 2026
Submission of Holiday Homework	6th July 2026

✦ Wishing You a Joyful, Safe, and Productive Holiday! ✦



Delhi English Academy
Summer Holiday Homework
Class: XII
Session: 2026-27

English
Activity

1. Prepare A Catalogue showcasing the glimpse of Andaman and Nikobar island and Lakshadweep Sea.
2. Make a project file based on any one of the given lesson.(Roll No wise)
 - The Third Level (1 to 7)
 - The Tiger King (8 to 14)
 - Lost Spring (15 to 21)
 - My Mother At Sixty Six(22 to 28)
 - Deep Water (29 to 35)
 - The Last Lesson (36 to 42)

Points to Remember

- Only plain ruled sheets are allowed
- Use blue n black pen only
- Sketch colours for highlights only
- Neat Handwriting
- Images are compulsory
- Use of Correction pen strictly prohibited

Page wise presentation

1. Acknowledgement
2. Certificate
3. Index
4. Introduction
5. Characters
6. Character's Sketch
- 7 About author
8. Critical analysis
9. Theme
10. Summary
11. Conclusion
12. Bibliography

- ❖ Do the worksheet in English notebook.
- ❖ Recapitulate the work done in class.

Hindi Activity

. मॉडल मेकिंग और मूर्तियां (3D आर्ट)

- ❖ विषय: "पारिस्थितिकी तंत्र का संरक्षण"।
- ❖ गतिविधि: मिट्टी (clay) या वेस्ट मटेरियल का उपयोग करके अंडमान के उन स्थानिक जीवों (endemic species) के मॉडल बनाना जिन्हें समीर आचार्य बचाना चाहते थे, जैसे 'अंडमान जंगली सूअर' या 'निकोबारी कबूतर'।
- ❖ विशेषता: इसे कचरे से कला (Waste to Art) के रूप में भी किया जा सकता है, जो उनके पर्यावरण के अनुकूल दर्शन को दर्शाता है। (Roll No. 3, 5, 6, 13, 17, 19, 20, 25, 27, 32, 34, 36)

परियोजना कार्य :-

1. रघुवीर सहाय – अंकिता, आयुष्मान, दीक्षांत, हर्षित, हिमांशु
2. सूर्यकांत त्रिपाठी निराला- जय, जौली, करण, मानस, मोहित
3. गोस्वामी तुलसीदास- नितिन, प्रियांशु, रोहित, तरूण
4. धर्मवीर भारती- वंश स्वामी, वीर, वरूण, यश वर्मा

- ❖ Do the worksheet in Hindi notebook.
- ❖ Recapitulate the work done in class.

Mathematics Activity

1. Math Art Integrated activity on A3 size sheet on Andaman and Nicobar

Use scale maps of the islands to measure distances between key locations. Apply concepts of scale factor and unit conversion.

- ❖ Revise ch 3, 4 and 5
- ❖ Do the worksheet in Mathematics notebook.
- ❖ Recapitulate the work done in class.

Economics

Activity

- ❖ Prepare a POSTER on comparative economic study of Delhi and the Andaman & Nicobar Islands using both economic data and creative artistic expression on topics (any two)
 - GDP and per capita income
 - Main sources of income (agriculture, industry, services, tourism)
 - Employment patterns o Literacy and education
 - Infrastructure and population
 - Environmental sustainability and eco-tourism

Project Work

General Instructions for Project Work:

1. Use A-4 Size white colour single sided ruled sheet. (Do not use any colourful or designing sheets.)
2. Use colourful pens i.e., colourful sketch pens for headings only. (Do not use sparkle pens)
3. Remaining part of the project will be written with blue pen
4. Colour pictures related to the topic must be pasted on blank side of A-4 size sheet except Bibliography and Conclusion sheet.
5. Minimum 23 sheets required for the project.
6. Do not write page no. on the sheet.
7. Do not write Acknowledgement and Certificate.

Make project file as per the details given below and discussions done in class.

Project file

Name of the topics	Name of Students of Class XII – B	Name of Students of Class XII – C
Self Help Group	<ul style="list-style-type: none">● Prince● Mohit● Arman● Tushar	<ul style="list-style-type: none">● Rohit Godara● Kanav● Harsh Jangid● Himanshu Lal
Contemporary Employment Situation in India	<ul style="list-style-type: none">● Bhavishay● Aman Singh● Kartik Godara	<ul style="list-style-type: none">● Kanika● Mumpy● Kiran● Niteen Kumar
Government Budget and Its Components	<ul style="list-style-type: none">● Vaibhav Rajput● Kushal	<ul style="list-style-type: none">● Nidhi● Sanjana● Vanshika Dalal

Role of RBI in Control of Credit	<ul style="list-style-type: none"> ● Kartik Rana ● Uttkarsh 	<ul style="list-style-type: none"> ● Muskan ● Aditya ● Hemant
Monetary Policy Committee and Its Functions	<ul style="list-style-type: none"> ● Vanshika ● Nishika 	<ul style="list-style-type: none"> ● Shinu ● Anurag ● Vaibhav Singh
Micro and Small-Scale Industries	<ul style="list-style-type: none"> ● Janvi ● Nitish 	<ul style="list-style-type: none"> ● Sonal ● Jyoti ● Anish

❖ *Do the worksheet in your Economics notebook.*

❖ *Recapitulate the work done in class.*

Geography

Activity

1. **Make a model on marine Bio diversity With the help of cardboard box ,blue paper / paint for water ,craft sand / pebbles for sea bad , artificial fish & sea wood etc. (Roll No.1, 2, 4, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18, 21, 22, 23, 24, 26, 28, 29, 30, 31, 33, 35, 37, 38, 39)**
2. **Make a chart on tribal culture of Andaman and Nickobar Island.**

Make a practical file of Geography

- Quarter size file
- One side plain one side rule
- *Use blue & black gel pen
- Cover with black chart paper

❖ *Do the worksheet in your Geography notebook.*

❖ *Recapitulate the work done in class.*

Political Science

Activity

- On A-3 size sheet write the Principal organs of the UN. **Project Work**
Make project work as per the details given below and discussions done in class.

Project Work

- Challenges of Nation building (Roll No. 1, 2)
- Partition of India (Roll No. 3, 4)
- ASEAN (Roll No. 5, 6)
- European Union (Roll No. 7, 8)
- Disintegration of Soviet Union (Roll No. 9, 10)
- The United Nation's Principal Organs (Roll No. 11, 12)
- Security in the Contemporary World- (Roll No. 13, 14)
- India's stand on Environmental issues (Roll No. 15, 16)
- Role of Sardar Vallabhbhai Patel in the Integration of India (Roll No. 17, 18)
- Indian's Foreign Policy (Roll No. 19, 20)
- Regional Aspirations (Punjab Crisis) (Roll No. 21, 22)
- Globalisation (Roll No. 23, 24)
- Global Warming and Climate Change (Roll No. 25, 26)
- BRICS (Roll No. 27, 28)
- Comparison between NITI AAYOG and PLANNING COMMISSION (Roll No. 29, 30)
- Relationship between India and Russia (Roll No. 31, 32)
- Relationship between India and China (Roll No. 33, 34)
- Relationship between India and Pakistan (Roll No. 35, 36)
- Imposition of Emergency in India Roll No. 37, 38, 39)

General Instructions for Project Work:

1. Use A-4 Size white color single sided ruled sheet. (Do not use any colorful or designing sheets.)
2. Use colorful pens i.e., colorful sketch pens for headings only. (Do not use sparkle pens)
3. Remaining part of the project will be written with blue pen.
4. Color pictures related to the topic must be pasted on blank side of A-4 size sheet except Bibliography and Conclusion sheet.
5. Minimum 23 sheets required for the project.
6. Do not write page no. on the sheet.
7. Write Acknowledgement and Certificate.
8. Use Coloured Chart Paper for cover page according to the topic.

❖ *Do the worksheet in your Political Sciences notebook.*

❖ *Recapitulate the work done in class.*

History

Activity

Topic Andaman And Nicobar

- ❖ Make a brochure on the Cellular Jail in port Blair and it's role in the independence struggle.

Project File*

- ❖ Make a project file on given topics, according to the name allotted.

1. The Indus valley civilisation. (Rohit)
2. The history and legacy of Mouryan Empire. (Anurag)
3. Buddha Charita (Muskan)
4. global legacy of Gandhian ideas.(Vaibhav)
5. the architectural culture of the vijayanagar empire .(Ankita)
6. "Mahabharata" the great epic of India. (Nidhi)

Required material

- A4 size project file
- Plain, one side rule & one side plain sheet
- Pictures should be there
- File pages not less than 25
- Use sketch pens or highlighter
- File should be covered with proper labelling.

❖ *Do the worksheet in your History notebook.*

❖ *Recapitulate the work done in class.*

Computer Science

Activity

- ❖ Tourism Information System (Menu-Driven)
- ❖ Create a program that helps users explore the Andaman Nicobar Island
- Feature: A menu allowing users to select a place (e.g., Cellular Jail, Radhanagar Beach, Havelock) to see brief details and activities.
- Python Logic: Use a dictionary where keys are beach names and values are activities (e.g., "Scuba Diving," "Snorkelling").
- Sample Statement: islands = {"Radhanagar": "Swimming", "Havelock": "Scuba Diving"}.

❖ *Do the worksheet in your Computer Science notebook.*

❖ *Recapitulate the work done in class.*

Physical Education

Activity

❖ **Activity on topic Andaman and Nicobar (Roll No. 1 – 39)**

Divide A3 into sections:

- 1. Introduction of islands**
- 2. Climate & its effect on sports**
- 3. Popular sports**
- 4. Importance of fitness**
- 5. Conclusion**

Delhi English Academy
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Holiday Homework Worksheet
Subject-English Grammar

Q1. Prepare a Beautiful chart A3 size sheet presenting the different types of languages spoken in the country.

OR

Make a beautiful landscape on A3 size sheet on the chapter journey to the end of the earth.

Q2. Report Writing

Your school recently organized a Tree Plantation Drive on the occasion of Environment Day.

Write a report (120–150 words) for your school magazine including:

Date and place

Activities conducted

Participation and outcome

Q3. Article Writing

Increasing use of mobile phones is affecting students' studies and health.

Write an article (120–150 words) on the topic:

“Impact of Mobile Phones on Students”

Include:

Causes

Effects

Suggestions

Q4. Invitation Card

Your school is organizing an Annual Day Function.

Draft a formal invitation card including:

Date, time, venue

Chief guest

RSVP details

Q5. Notice Writing

You are the Head Boy/Head Girl of your school. Your school is organizing a Debate Competition.

Write a notice (50 words) including:

Date and time

Topic

Registration details

Q6. Job Application Letter

You have seen an advertisement for the post of an English Teacher in a reputed school.

Write a job application letter (120–150 words) including:

Qualification

Experience

Skills

Why you are suitable

Delhi English Academy
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Holiday Homework Worksheet
Subject-English Literature

Q1. What was Charlie's Hallucination?

Q2. Where was the Third Level ?

Q3. What is the theme of My mother at 66?

Q4. Why did Charlie wanted to escape from the present world?

Q5. What forces conspire to keep the workers in the bangle industry in Firozabad?

Q6. What do you infer from Sam's letter to Charlie?

Q7. What was so special about M-Hamel's cloth?

Q8. What was so unusual that day?

Q9 who was watcher? what did he say to Franz?

Q10. How did Douglas overcome his fear?

Delhi English Academy
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Holiday Homework Worksheet
Subject-Hindi

प्र: निम्नलिखित प्रश्नों के उत्तर लिखिए।

1. ब्रेकिंग न्यूज का क्या आशय है?
2. एनकोडिंग से आप क्या समझते हैं?
3. एंकर पैकेज किसे कहते हैं?
4. फोन इन क्या है ?
5. प्रिंट माध्यम की दो-दो खुबियाँ और कमियाँ लिखिए।
6. छतों को नरम बनाने से कवि का क्या आशय है?
7. 'पतंगों के साथ- साथ वे भी उड़ रहे हैं।' पंक्ति का आशय स्पष्ट कीजिए।
8. हल्की, रंगीन पतंगों और बालमन की समानताएँ स्पष्ट कीजिए।

Delhi English Academy
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Holiday Homework Worksheet
Subject-Mathematics

Q1. If A is a square Matrix such that $A^2=I$, then find the simplified value of $(A-I)^3+(A+I)^3-7A$

- a) $7A$ b) A c) $6A$ d) A^2

Q2. Find the value of a and b where

if $A=B$, where $A=[\begin{matrix} a+4 & 3b \end{matrix}]$

$[\begin{matrix} 8 & -6 \end{matrix}]$

$B = [\begin{matrix} 2a+2. & b^2+2 \end{matrix}]$

$[\begin{matrix} 8. & b^2-10 \end{matrix}]$

- a) $a= 2$ $b= 2$ b) $a=2$ $b= 3$ c) $a=3$ $b= 4$ d) $a=4$ $b=1$

Q3.If A is a square Matrix of order 3 and $|A| = 5$ find the value of $|2A|$

- a) 10. b) -40. c) 40. d) -10

Q4. The principal value of $\tan^{-1}(\tan 5\pi/4)$ is

- a) $2\pi/5$ b) $-2\pi/5$ c) $3\pi/5$ d) $-3\pi/5$

Q5.If A IS A invertible matrix of order 3 and $|A| = -4$ then find the value of $|A \cdot \text{Adj}A|$

- a) -64 b) 4 c) 64 d) 4

Q6. The principal value of $\sin^{-1}(-1/2)$ is

- a) $-\pi/6$ b) $\pi/6$ c) $3\pi/4$ d) $\pi/2$

CASE STUDY

Q7. Three students Ram, Mohan and Ankit go to a shop to buy stationary. Ram purchases 2 dozen notebooks, 1 dozen pens and 4 pencils, Mohan purchases 1 dozen notebook, 6 pens and 8 pencils and Ankit purchases 6 notebooks, 4 pens and 6 pencils. A notebook costs ₹15, a pen costs ₹4.50 and a pencil costs ₹1.50.

Let A and B be the matrices representing the number of items purchased by the three students and the prices of the items respectively.

Based on the above information, answer the following questions:

- a) Find the order of matrix B representing the price of three items
b) Find the order of matrix A representing items purchased by three students
c) Find the bill amount of Ram
d) Find the total bill amount.

Delhi English Academy
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Holiday Homework Worksheet
Subject-Economics
Part - A Macro Economics

1. Multiple Choice Questions:

i. Macroeconomics is concerned with:

- (a) the level of output of goods and services in the economy
- (b) the general level of prices
- (c) GDP growth
- (d) all of these

ii) Study of general price level is the subject matter of:

- (a) microeconomics
- (b) macroeconomics
- (c) both (a) and (b)
- (d) none of these

2. Assertion(A): Intermediate goods have direct demand.

Reason(R): The demand for intermediate goods depends on demand for final goods.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- (b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
- (c) Assertion (A) is true, but Reason (R) is false.
- (d) Assertion (A) is false, but Reason (R) is true.

3. Statement 1: Households are the owners of the factors of production.

Statement 2: Household sector supplies goods and services to the producer sector.

- (a) Statement 1 is false and Statement 2 is true.
- (b) Statement 1 is true and Statement 2 is false.
- (c) Both Statements 1 and 2 are true.
- (d) Both Statements 1 and 2 are false

4. Answer the following questions:

- i) Why there is a circular flow between income, production and expenditure?
- ii) Explain real flow and money flow in a two-sector economy. Use diagram.

Part - B Indian Economic Development

5. Multiple Choice Questions:

- i) Occupational structure refers to
 - (a) Distribution of working force among the different occupations
 - (b) Nature of different occupations
 - (c) Size of working force in a country
 - (d) Number of people living in a country
- ii) Which of the following statement is false in the context of industrial sector during British rules.
 - (a) There was decline in handicraft industries
 - (b) The British government promoted capital goods industries
 - (c) India became an exporter of primary products
 - (d) There was low contribution of industries to GDP.

6. Assertion (A): India became an exporter of the primary products and an importer of finished consumer and capital goods produced in Britain.

Reason (R): Restricted policies of commodity production, trade and tariff pursued by the colonial government adversely affected the structure, composition and volume of India's foreign trade.

Alternatives:

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

7. Statement 1: Prior to 1921, India was in the first stage of demographic transition.

Statement 2: From the year 1921 onwards, India's population never declined and recorded a consistent rise.

Alternatives:

- a) Statement 1 is false and Statement 2 is true.
- b) Statement 1 is true and Statement 2 is false.
- c) Both Statements 1 and 2 are true.
- d) Both Statements 1 and 2 are false

8. Answer the following questions:

- i) Describe about the infrastructure in India during colonial period.
- ii) What objectives did British Government want to achieve through its economic policies?

Delhi English Academy
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Holiday Homework Worksheet
Subject-Geography

Book 1: Fundamentals of Human Geography

Chapter 1: Human Geography : Nature & Scope

Q1: What is Neo – determinism?

Q2: Distinguish between Environmental determinism vs Possibilism.

Chapter 2: The World Population

Q1: How many stages in Demographic Transition Theory?

Q2: Write the formula for population density .

Book 2: India People & Economy

Chapter 1: Population : Distribution, Density , Growth & Composition

Q1: What Is sex ratio ? What was India's population as per 2011 census ?

Q2: What are the three types of occupational structures? Name and explain each of them.

Chapter 2: Migration types, Causes & Consequences

Q1: Distinguish between Push factors vs Pull factors.

Q2: What is brain drain?

Q3: Define Migration.

Delhi English Academy
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Holiday Homework Worksheet
Subject-Political Science

Q1 Analyse the ASEAN way as a unique initiative of promoting peace in South East Asian countries.

Q2 How was the Soviet system responsible for disintegration of USSR? Explain.

Q3 Describe any two areas of cooperation and any two reason for conflicts between India and Pakistan.

Q4 Explain any 4 factors that led Japan to emerge as a new centre of power even after that destruction caused by atom bombs.

Q5 Explain any 4 policies adopted by China to accelerate its economic growth.
Learn all the work done in notebooks.

Delhi English Academy
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Holiday Homework Worksheet
Subject-History

- Q1. What is the most unique feature of Harappan civilization ?
- Q2. What is the estimated time period of the mature Harappan culture ?
- Q3. Which Material was used to make Harappan seals?
- Q4. Who was the 1st to decipher Brahmi and karosthi scripts ?
- Q5. Name the two most important Mouryan officials /officers.
- Q6. Name the two primary categories of Verna system.
- Q7. Define Dharma sastras.
- Q8. What is 'Exogamy' ?

Delhi English Academy
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Holiday Homework Worksheet
Subject-Computer Science

Answer the following questions-

- Q1. Write a program to print cubes of numbers in the range 15 o 20.
- Q2. What do you understand by the term Iteration?
- Q3. Write the name of any four data types available in Python.
- Q4. Write a program that checks for presence of a value inside a dictionary and prints its key.
- Q5. What is a string slice ? How is it useful?
- Q6. Write a program to add two numbers through a function.
- Q7. Write a program that receives two numbers in a function and returns the results of all arithmetic operations (+, -, *, / , %) on these numbers.
- Q8. Difference between actual parameter and a formal parameter with a suitable example for each.
- Q9. Difference between a local variable a global variable ? Also give a suitable Python code to illustrate both.
- Q10. Write a file to display the size of a file in bytes.
- Q11. Write a program to display the number of lines in the file.

Delhi English Academy
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Holiday Homework Worksheet
Subject-Physical Education

Q1 What is sports event management?

Q2 What do you mean by a committee in sports events?

Q3 Name any two committees required for a sports event.

Q4 What is intramural tournament?

Q5 What is the meaning of female athlete triad?

Q6 Explain the role of the organizing committee in a sports event.

Q7 What is extramural tournament? Give one example.

Q8 List any four advantages of sports participation for children.

Q9 Explain the causes of female athlete triad.

Q10 Mention any two myths related to women's participation in sports.