

DELHI ENGLISH ACADEMY

(CBSE Affiliated Sr. Secondary School)

Phone No.: 8810270723, 9871568191, 9711425565

E-mail:delhienglishacademy1998@gmail.com

Website: www.deadwarka.in



: Delhi English Academy School Dwarka New Delhi



The cover features a vibrant beach scene. At the top left, a bright yellow sun with rays is partially obscured by a white cloud. The background is a clear blue sky with another white cloud on the right. A large, blue wooden frame stands in the center, containing a white rounded rectangle with text. Below the frame, two palm trees with green fronds and brown trunks are positioned on either side of a beach. In the foreground, two red and white striped lounge chairs are placed on the sand, facing each other with a small white table between them. A large, colorful beach umbrella with red and yellow stripes is open behind the chairs. The entire scene is framed by a decorative blue border with a dotted pattern.

SUMMER VACATION

HOLIDAY HOMEWORK
SESSION 2024 - 25
CLASS XI


**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

- **Design your own Newspaper on Andaman & Nicobar Islands.**
(Class XI-A Roll no. 7, 8, 9)
(Class XI-B Roll no. 1, 5)
(Class XI-C Roll no. 1, 2)
- **Instructions- The newspaper should have seven sections. It should be creative & informative. Paste pictures also. Use A-3 size sheet.**

1. Highlights

2. Popular tourist destination

3. Famous food

4. Language spoken here

5. Climatic conditions

6. Arts and culture

7. Sports and adventure games played here.

- **Prepare a brochure on Andaman & Nicobar Islands.**
(Class XI-A Roll no. 1 to 6, 10 to 15 onwards)
(Class XI-B Roll no. 2 to 4, 6 to 13 onwards)
(Class XI-C Roll no. 3 to 11 onwards)

- **Project Work**

- **Make a project file on the following topics-**

1) The Portrait of a Lady

(Class XI A - Roll No. 1 to 4)

(Class XI B - Roll No. 1 to 4)

(Class XI C - Roll No. 1 to 4)

2) We are Not Afraid to Die

Class XI A Roll No. 5 to 8

Class XI B Roll No. 5 to 8

Class XI C Roll No. 5 to 8

3) The Summer of the Beautiful White Horse

(Class XI A Roll No. 9 to 12)

(Class XI B Roll No. 9 to 12)

(Class XI C Roll No. 9 to 12)

4) The Address

(Class XI A Roll No. 13 to 16)

(Class XI B Roll No. 13 to 16)

(Class XI C Roll No. 13 to 16)

- **Page Wise Explanation:**

1) **First page- Details (Name, Class, Roll no, Subject and Session)**

2) **Second page-Acknowledgement**

3) **Third page- Index**

4) **Introduction**

5) **Theme**

6) **Character**

- **Pull Out Worksheet**

Complete the following pages in your Pull Out Worksheet Book.

a) **Factual, Descriptive & Descriptive Passages -Page. No. 9 to 17**

b) **Tenses- Page. No. 99, 100**

c) **Transformation of Sentences- Page. No. 111 to 113**

❖ *Do the worksheet of literature in English A & grammar in English B notebook.*

❖ *Recapitulate the work done in class.*

❖ *Prepare for UT-1.*

Subject- Physics

Activity

- **Prepare a working model on Geothermal energy power plant in Andaman & Nicobar Islands. (Class - XI A - Roll No. 3, 4, 15)**
- **Prepare a pamphlet on Geothermal energy power in Andaman & Nicobar Islands. (Class - XI A - Roll No. 1 – 2, 5 to 14 onwards)**
- **Prepare a file on the topic “Units and measurements” containing following headings- – Physical quantities. – Fundamental and derived units. – Indirect method of measuring large and small distances. – Dimensional formulas and dimensional equation (table).**

- **Investigatory Project**

Prepare an Investigatory Project Work (topic as mentioned and approved in class)

- **Lab Manual**

Complete Expt. No. 1, 2, 5 & 7 of Section A and Activity 1 and 2 in lab manual.

❖ *Do the worksheet in your Physics notebook*

❖ *Recapitulate the work done in class.*

❖ *Prepare for UT-1.*

Subject- Chemistry

Activity

- **Prepare a model on rocks and minerals of Lakshadweep Island.**

(Class - XI A - Roll No. 5, 6)

- **Find information about the flora and fauna of Andaman and Nicobar Islands. Collect their pictures and make a collage of them separately on A-4 size sheets.**

(Class - XI A - Roll No. 1 to 4, 7 to 15 onwards)

- **Investigatory Project**

Prepare an Investigatory Project Work (topic as mentioned and approved in class).

- **Lab Manual**

Complete expt. no.1, 2, 3, 4 & 5 in your lab manual.

❖ *Do the worksheet in your Physics notebook*

❖ *Recapitulate the work done in class.*

❖ *Prepare for UT-1.*

Subject- Biology

Activity

- **Make a colourful model on coral reefs of Andaman and Nicobar Islands.**

(Class - XI A - Roll No. 10, 12, 14)

- **Make an attractive brochure on endemic species of flora and fauna of Andaman and Nicobar Islands with description (Paste diagram, mention botanical name, no. of species left etc.) (Class - XI A - Roll No. 2, 5, 9 onwards)**

- **Lab Manual**

Complete the following-

- a. Specimens/ slides identification with reasons- Bacteria, Spirogyra, Rhizopus, liverwort, moss, fern
- b. Study of osmosis by potato osmometer.
- c. Separation of plant pigments through paper chromatography.

Investigatory Project

Complete your investigatory project on A4 sheet (one side ruled and one side plan) under following subtitles:

- i. Aim
- ii. Introduction
- iii. Theory
- iv. Material Required
- v. Procedure
- vi. Observation
- vii. Observation Table (on white sheet by using pencil)
- viii. Precautions
- ix. Bibliography

❖ *Do the worksheet in your Biology notebook*

❖ *Recapitulate the work done in class.*

❖ *Prepare for UT-1.*

Subject- Mathematics

Activity

- **Prepare a model on Tumdak/Sumay/Rabal-musical instrument of Andaman & Nicobar Islands using geometrical shapes.**
(Class - XI A - Roll No. 11)
(Class - XI B - Roll No. 11)
- **Make a Pie- chart on A-3 size sheet showing the depletion of mammals in Andaman & Nicobar Islands.**
(Class - XI A - Roll No. 1 to 10, 12, 13 onwards)
(Class - XI B - Roll No. 1 to 10, 12 onwards)

- **Lab Manual**

Complete the lab manual activity no. 1, 5, 8, 10 and 11 in your lab manual.

- ❖ *Do the worksheet in your Mathematics notebook.*
- ❖ *Recapitulate the work done in class.*
- ❖ *Prepare for UT-1.*

Subject – Accountancy

Activity

- **Prepare a model of Co-operative Bank of Andaman & Nicobar Island.**
(Class - XI B - Roll No. 2, 13)
- **Prepare a poster showing Financial System of Andaman & nicobar Island.**
(Class - XI B - Roll No. 1, 3 to 12 onwards)
- **Project 1 - (Collection of source documents, preparation of vouchers, recording of transactions with the help of vouchers.)**

Name of the students - Vaishnavi Rajput, Sakshi , Naman , Mayank , Tushar , Prashant.

- **Project - 2 Comprehensive project of any sole proprietorship business. This may state with journal entries and their ledgers , preparation of Trial balance etc.**

Name of the students - Vaishnavi , Jatin , Abhishek , Naitik , Anjel , Dimple , Bhisant.

- ❖ *Do the worksheet in your Accountancy notebook*
- ❖ *Recapitulate the work done in class.*
- ❖ *Prepare for UT-1.*

Subject - Business Studies

Activity

- **Design your own newspaper “Economic Times” on Andaman & Nicobar Island.**
(Class - XI B - Roll No. 8, 9)
- **Prepare a collage on Daily life of “Economic & Non-Economic sources of Andaman & Nicobar Island.**
(Class - XI B - Roll No. 1 to 7, 10 to 13 onwards)

- **Project File**
- **Project 1: Field Visit**

The objective of introducing this project among the students is to give a first hand experience to them regarding the different types of business units operating in their surroundings, to observe their features and activities and relate them to the theoretical knowledge given in their text books. The students should select a place of field visit from the following: – (Add more as per local area availability.)

1. Visit to a Handicraft unit.
2. Visit to an Industry.
3. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)
4. Visit to a Departmental store.
5. Visit to a Mall.

Name of the students for Project - 1

Sakshi , Dimple , Mayank , Tushar , prashant.

- **Project 2 - Visit to a Departmental store**

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.
- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.
- g) Billing counter at store – Cash, Credit Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
- h) Additional facilities offered to customers
- i) Any other relevant aspect.

Name of the students for Project 2 –

Vaishnavi Rajput , Naman , Abhishek , Bishant , Jatin.

- **Project 3: Aids to Trade**

Taking any one AID TO TRADE, for example Insurance and gathering information on following aspects

- 1. History of Insurance Lloyd's contribution.**
- 2. Development of regulatory Mechanism.**
- 3. Insurance Companies in India**
- 4. Principles of Insurance.**
- 5. Types of Insurance. Importance of insurance to the businessmen.**
- 6. Benefits of crop, orchards, animal and poultry insurance to the farmers.**
- 7. Terminologies used (premium, face value, market value, maturity value, surrender value) and their meanings.**
- 8. Anecdotes and interesting cases of insurance. Reference of films depicting people committing fraudulent acts with insurance companies.**
- 9. Careers in Insurance.**

Name of the students for Project - 3

Anjel , Naitik , Vaishnavi Chauhan

- ❖ Do the worksheet in your Business Studies notebook*
- ❖ Recapitulate the work done in class.*
- ❖ Prepare for UT-1.*

Subject- Economics

Activity

- Prepare a model on classification of Economic Activities i.e. Agriculture. Industry, Trade, Tourism, Fishing and Infrastructure Facilities of Andaman & Nicobar Islands.**
(Class - XI B - Roll No. 10, 12)
(Class - XI C - Roll No. 4, 5)
- Prepare a collage on classification of Economic Activities i.e. Agriculture, Industry, Trade, Tourism, Fishing and Infrastructure Facilities of Andaman & Nicobar Islands on A-3 Size sheet with colourful pictures**
(Class - XI B - Roll No. 1 to 9, 11 onwards)
(Class - XI C - Roll No. 1 to 3, 6 to 11 onwards)

- **Project Work**

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

- **Project file**

- ❖ **Effect on PPC due to Various Government Policies.**

Abhishek Sharma, Mayank Kumar Sehrawat, Tushar Sehrawat (Class – XI B)
Rohit Kataria (Class – XI C)

- ❖ **Opportunity Cost as an Economic Tool**

Anjal , Naitik Sharma, Vaishnavi (Class – XI B)
Garv Rajput, Priyanshi (Class – XI B)

- ❖ **Effect on Equilibrium Prices in Local Market**

Bishant, Naman Rajput, Vaishnavi Chowan (Class – XI B)
Hiten Rajput, Adity Rana (Class – XI B)

- ❖ **Effect of Price Change on a Substitute Good**

Dimple, Prashant (Class – XI B)
Nakul, Kartik Lamba, Nakul Lochav (Class – XI B)

- ❖ **Effect of Price Change on a Complementary Good**

Jatin Singh, Sakshi Gaur (Class – XI B)
Mohit Kataria, Muskan (Class – XI B)

Students are required to keep following essentials in mind while preparing the project.

1. Explanation of the concept
2. Meaning and definition
3. Application of the concept
4. Diagrammatic explanation
5. Numerical explanation related to the concepts etc., if any
6. Students' own views/perception/opinion and learning from topic.

General Instructions for Project Work:

1. Use A-4 Size white color single sided ruled sheets.
(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. Do not write Acknowledgement and Certificate.

- ❖ *Do the worksheet in your Economics notebook*
- ❖ *Recapitulate the work done in class.*
- ❖ *Prepare for UT-1.*

Subject-Political Science

Activity

- **Prepare a model on festival of Lakshadweep Islands.**
(Class - XI C - Roll No. 6, 7)
- **Prepare a collage on Tourism and Transport of Lakshadweep Islands.**
(Class - XI C - Roll No. 1 to 5, 8 to 11 onwards)

Project file on

- ❖ **Election system in India**
- ❖ **Fundamental Rights**
- ❖ **Indian Judiciary**
- **Instructions For The Political Science Practical File (Written Work)**

Material Required:-

- Ruler A-4 sheets
- Plain coloured Pastel A-4 size sheets for heading/ Name of the chapter
- A-4 Size plain sheets for drawing
- Stencil: Capital letters (Big & Small both)
- Pencil, Eraser, Scale
- Graphs
- Maps -India
- Only blue & black pointed/ gel pens

Instructions To Follow:-

1. Ruled side of the sheets to be used for writing the content.
2. While plain side for making diagrams, graphs & maps etc.
3. For the chapter name both side plain coloured pastel sheet to be used.
4. The name of the chapter is required not the number, which is to be written using black pointed pen & bigger stencil.
5. Headings:
 - Major Headings & Headings: with Black pen using big stencil, capital letters.
 - Sub-Headings: with black pointed pen using small stencil/ normal handwriting.
 - All the headings to be underlined using black pen.
 - Headings for the diagram, graphs, maps etc.to be written on top not at the bottom.
 - Headings for the diagrams, graphs, maps etc. will be with sharp pencil & capital letters.
6. Wherever diagrams, graphs, maps etc. to be made or pasted, borders are required to be drawn with pointed black pen.
7. The correction done in class for all the chapters to be followed strictly.
8. Neatness is important & should be maintained throughout.
9. Be with best of your handwriting while doing the Practical work.

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

❖ *Recapitulate the work done in class.*

❖ *Prepare for UT-1.*

Subject- Geography

Activity

- **Make a model on Geographical features of Andaman and Nicobar Island.**
(Class - XI C - Roll No. 8, 9)
- **Make a poster on Art and craft of Andaman and Nicobar Island on A-3 size sheet.** (Class - XI C - Roll No. 1 to 7, 10 to 11 onwards)
- **Geography Practical**
Complete Ch-1, 2, 3, 4, 5, 6, 7, 8 in Practical File
- **Instructions ForThe Geography Practical File (Written Work)**

Material Required:-

- Ruler A-3 sheets
- Plain coloured Pastel A-3 size sheets for heading/ Name of the chapter
- A-4 Size plain sheets for drawing
- Stencil: Capital letters (Big & Small both)
- Pencil, Eraser, Scale
- Graphs
- Maps -India
- Only blue & black pointed/ gel pens

Instructions To Follow:-

1. Ruled side of the sheets to be used for writing the content.
2. While plain side for making diagrams, graphs & maps etc.
3. For the chapter name both side plain coloured pastel sheet to be used.
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6. Wherever diagrams, graphs, maps etc. to be made or pasted, borders are required to be drawn with pointed black pen.
7. The correction done in class for all the chapters to be followed strictly.
8. Neatness is important & should be maintained throughout.
9. Be with best of your handwriting while doing the Practical work.

- ❖ *Do the worksheet in your Geography notebook.*
- ❖ *Recapitulate the work done in class.*
- ❖ *Prepare for UT-1.*

Subject- Physical Education

Activity

- **Preapre a model on Water Games in Andaman & Nicobar Islands.**
 (Class - XI A - Roll No. 1, 2)
 (Class - XI B - Roll No. 6, 7)
 (Class - XI C- Roll No.3)

- **Prepare a pamphlet on the Famous Indian Teen cycling sensation of Andaman & Nicobar Islands and paste the pictures also on A3 Sheet.**
(Class - XI A - Roll No. 3 to 15 onwards)
(Class - XI B - Roll No. 1 to 5, 8 to 13 onwards)
Class - XI C - Roll No.1, 2, 4 to 11 onwards)
- **Lab Manual**
Complete the lab manual activity -
Practical no.1 - Sai Brockport Fitness Test
Practical no. 2 -Any one game of your choice. (Handball, Football, Volleyball, Kho-Kho, Cricket, Basketball) (any one game)
 - ❖ *Do the worksheet in your Physical Education notebook*
 - ❖ *Recapitulate the work done in class.*
 - ❖ *Prepare for PT-1.*

Subject– Computer Science

Activity

- **Prepare a model on Mobile Network in Andaman & Nicobar Islands.**
(Class - XI A - Roll No. 13)
(Class - XI B - Roll No. 3)
- **Prepare a brochure on the Mobile Network in Andaman & Nicobar Islands.**
(Class - XI A - Roll No. 11, 12, 14, 15 onwards)
(Class - XI B - Roll No.1, 2, 4 to 13 onwards)
 - ❖ *Do the worksheet in your Computer Science notebook*
 - ❖ *Recapitulate the work done in class.*
 - ❖ *Prepare for UT-1.*

Subject- Hindi

Activity

- **अंडमान निकोबार दीप समूह की पारंपरिक पोशाक बनाइए।**
(Class - XI C - Roll No. 10)

- अंडमान निकोबार द्वीप समूह की वनस्पति और जीव जंतुओं के बारे में जानकारी प्राप्त करें चित्र सहित स्क्रेप बुक बनाइए। (6 या 7) पेज
(Class - XI C - Roll No. 1 to 9, 11 onwards)

- ❖ *Do the worksheet of literature in Hindi B notebook.*
- ❖ *Recapitulate the work done in class.*
- ❖ *Prepare for UT-1.*

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject – English (Literature)
Class – XI

- Q1. What was the turning point in the narrator's friendship with his grand mother?
- Q2. How did the narrator's grand mother cope with the change of environment in the city?
- Q3. How did the grandmother utilise her time in the city home?
- Q4. How does grandmother feel about English education and music lessons at school?
- Q5. How does the author and the grandmother connected and how did it break?
- Q6. The poet talks about a particular cardboard. How is it special to her?
- Q7. What can you say about the childhood of the poet's mother?
- Q8. What moment does the photograph depict?
- Q9. Were the three cousins camera friendly? Who was taking their photograph?
- Q10. What impression do you form about the poet's mother?

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject – English (Grammar)
Class – XI

Q1. Fill in the blanks with the determiners.

A man is (a) _____ upstairs apartment worked in the night shift and continually work (b) _____ the occupant in the apartment below by taking (c) _____ his boots and tossing them across the room. After complaint, he threw one boot (e) _____ remembering his promise. He gently placed the (f) _____ shoe (g) _____ his bed. After twenty minutes the neighbour found his shoe missing. He screamed (h) _____ ordered to throw the other as well.

Q2. Fill in the blanks with the determiners.

One day Kawal went to (a) _____ market where household items _____ sold. After (b) _____ sold. After witnessing different (c) _____ of clocks, the preferred (d) _____ buy an alarms clock so that he could be (e) _____ time to her school. The shopkeeper told that it make (f) _____ noise. It uses only light and the light (g) _____ on becoming brighter and brighter (h) _____ you wake up.

Q3. Fill in the blanks with the determiners.

Fruits have a distinct smell that help advertise (a) _____ presence to the people, but the durian tree (b) _____ taken this technique to extreme (c) _____ ripe fruit can be smelt (d) _____ half a km. away (e) _____ strangers so the forest find the smell repulsive but the locals (f) _____ find it invigorating and it once (g) _____ out in search (h) _____ the tree.

Q4. Read the following passage carefully and then answer the questions that follow.

But those who most often stop for a moment and look into the eyes of these innocent children unchanged forever, there is no going back for them and they know that they have to do something positive to change these tragic lives even if it is in a small way.

CRY – Child Relief and You -- is an organization that was started by seven such individuals and it has been working from 1979 to change the lives of underprivileged

children all over India. CRY understood so much the dire need of help. At the same time it realized that there are many people were more than willing to extend a helping hand but did

not know how to go about it. They tried links to bring child relief and the EU elements together And now 71 5 child welfare organizations are being pounded by CRY and more than five black guy (children from rural and urban areas) can all have a better life in the future .To continue giving support to this, one of the organizations enable them to carry on their work in the fields of education and care and the income generation schemes at the grassroots level .CRY is able to generate funds through various means.

a) On the basis of your reading make notes on the passage given above Use recognisable abbreviations at least five. Give a suitable title.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject – Mathematics
Class – XI

Q1. $P = \{x : x < 3, x \in \mathbb{N}\}$, $Q = \{x : x \leq 2, x \in \mathbb{W}\}$. Find $(P \cup Q) \times (P \cap Q)$, where \mathbb{W} is the set of whole numbers

Q2. Which of the following are sets. Explain your answer.

- (a). The collection of all day in a week which have the first letter S.
- (b). The collection of ten most famous singers of India.
- (c). A group of best football strikers of the world.
- (d). The collection of all girls in your school.
- (e). The collection of all odd numbers below

Q3. Let $X = \{11, 12, \{13, 14\}, 15\}$. According to the given set which of the given statements are false? Explain why.

- (i). $\{13, 14\} \subset X$
- (ii). $\{13, 14\} \in X$
- (iii). $\{\{13, 14\}\} \subset X$
- (iv). $11 \in X$

Q4. Write the given intervals in the form of set – builder:

- (i). $(-4, 1)$
- (ii). $[7, 13]$
- (iii). $(7, 13]$

Q5. Express the given complex number in the form of $a+ib$

- a) i^4
- b) $(1-i)^4$

Q6 Find the multiplicative inverse of $4+3i$

Q7 To receive Grade 'A' in a course, one must obtain an average of 90 marks or more in five examinations (each of 100 marks). If Sunita's marks in the first four examinations are 87, 92, 94 and 95, find the minimum marks that Sunita must obtain in the fifth examination to get Grade 'A' in the course.

Q8. Solve $24x < 100$, when

(i) x is a natural number.

(ii) x is an integer

Q9. Find all pairs of consecutive odd positive integers both of which are smaller than 10 such that their sum is more than 11.

Q10 The longest side of a triangle is 3 times the shortest side and the third side is 2 cm shorter than the longest side. If the perimeter of the triangle is at least 61 cm, find the minimum length of the shortest side.

Delhi English Academy
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Holiday Homework Worksheet
Subject – Physics
Class – XI

Q1. The closeness of a measurement to the true value of the physical quantity is known as _____ of the measurement.

Q2. _____ is the closeness of the set of measured values.

Q3. Difference between the true value and the measured value of the quantity is known as _____.

Q4. The errors which tend to occur in one direction, either positive or negative, are called _____.

Q5. The ratio of the mean absolute error to the true value of the measured quantity is called _____.

Q6. Write two advantages in choosing the wavelength of a light radiation as a standard of length.

Q7. Do Å and AU stand for same length?

Q8. What is the difference between 4.0 and 4.000?

Q9. Which of the length measurements is the most accurate and why?

(i) 500.0 cm

(ii) 6.00 cm.

(iii) 0.0005 cm

Q10. Are all dimensionally correct equations numerically correct? Give one example.

Q11. Name two physical quantities whose dimensions are same.

Q12. Do specific heat and latent heat have the same dimensions?

Q13. How many dynes make a newton?

Q14. Is it possible to have length and velocity both as fundamental quantities? Why?

Q15. How many newtons make one kg wt.?

Q16. A man throws ball into the air one after the other. Throwing one when other is at the highest point. How high the balls rise if he throws twice a second?

(a) 2.45 m

(b) 19.6 m

(c) 1,225 m

(d) 4.9 m

Q17. A balloon is going upwards with velocity 12 m/sec. It releases a packet when it is at a height 65 m from the ground. How much time the packet will take to reach the ground? ($g = 10 \text{ m/s}^2$)

(a) 5 sec

(b) 7 sec

(c) 6 sec

(d) 8 sec

Q18. A student goes from his house to his friend's house with speed v_1 . Finding the door of his friend's closed, returns back to his own house with the speed v_2 . Then the average speed of the student is _____.

Q19. The position of a particle moving in the X-Y plane at any time t is given by; $x = (3t^2 - 6t)$ meters; $y = (t^2 - 2t)$ meters. Select the correct statement.

(a) acceleration is zero at $t = 0$

(b) velocity is zero at $t = 0$

(c) velocity is zero at $t = 1$ second

(d) velocity and acceleration of the particle are never zero.

Q20. A stone is thrown with an initial speed of 4.9 m/s from a bridge in vertically upward direction. It falls down in water after 2 seconds. The height of the bridge is

(a) 4.9 m

(b) 19.8 m

(c) 9.8m

(d) 24.7 m

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject – Chemistry
Class – XI

1. How is empirical formula related to its molecular formula ?

2.State and explain the following laws:

- (i) Law of multiple proportions
- (ii) Law of chemical combinations.

3 State:

- i) Aufbau Principle
- ii) Pauli Exclusion Principle
- iii) Hund's Rule of Maximum Multiplicity

4.A cricket ball has a mass of 150g and a speed of 50ms^{-1} . If the speed can be 3 measured within accuracy of 4%, calculate the uncertainty in the position.

5.How would you come to know that a redox reaction is taking place in an acidic/alkaline or neutral medium?

6. What is the difference between the terms orbit and orbital?

7.What are the oxidation number of the underlined elements in each of the following and how do you rationalise your results ?

(a) $\underline{K}\underline{I}_3$ (b) $\underline{H}_2\underline{S}_4\underline{O}_6$ (c) $\underline{F}\underline{e}_3\underline{O}_4$ (d) $\underline{C}\underline{H}_3\underline{C}\underline{H}_2\underline{O}\underline{H}$ (e) $\underline{C}\underline{H}_3\underline{C}\underline{O}\underline{O}\underline{H}$.

8. . Write formulas for the following compounds:

(a) Mercury (II) chloride, (b) Nickel (II) sulphate, (c) Tin (IV) oxide, (d) Thallium (I) sulphate, (e) Iron (III) sulphate, (f) Chromium (III) oxide.

Delhi English Academy
(CBSE Affiliated Senior Secondary School)
Holiday Homework Worksheet
Subject – Biology
Class – XI

- Q1. Illustrate the taxonomical hierarchy with one example.
- Q2. Diatoms are called as pearls of ocean. Why? What is diatomaceous earth?
- Q3. Ascomycetes fungi produces three types of fruiting bodies , how these fruiting bodies differ from each other?
- Q4. Make a list of algae that have commercial value as source of food, chemicals, medicines and fodder.
- Q5. With the help of diagram describe the life cycle of a moss plants.
- Q6. Differentiate between monocots and dicots.
- Q7. What is metagenesis? Mention an example which exhibits this phenomenon.
- Q8. Differentiate between chordates and non- chordates.
- Q9. What is the relationship between germinal layers and the formation of body cavity in case of coelomate, acoelomate and pseudocoelomates?
- Q10. What is the role radula in molluscs?

Delhi English Academy
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Holiday Homework Worksheet
Subject – Accountancy
Class – XI

- Q1. While preparing the annual accounts, if the company values the machinery at Rs. 8,00,000 which principle is being violated by Ananya Ltd.?
- Q2. According to which concept, all expenses incurred to earn revenue of a particular period should be charged against that revenue to determine the net income?
- Q3. Under which concept, Owner of business is treated as creditor to the extent of his capital?
- Q4. Financial statements of an entity are prepared at regular intervals in accordance with which accounting concept?
- Q5. According to which concept, each accounting transaction has at least two effects?
- Q6. Name the concept under which the skills or quality of the management team is not disclosed in the financial statements.
- Q7. Name the concept under which assets are recorded in books at the cost incurred for acquisition of such assets.
- Q8. 'X' commenced business on April 1st 2013 with a capital of Rs. 6,00,000. On 31st March, 2014 his assets were worth Rs. 8,00,000 and liabilities Rs. 50,000. Find out his closing capital and profits earned during the year.
- Q9. Prepare Accounting Equation from the following:
- (a) Started business with Cash Rs. 2,00,000.
 - (b) Purchased goods for Cash Rs. 60,000 and on Credit Rs. 1,50,000.
 - (c) Sold goods for Cash costing Rs. 40,000 at a profit of 20% and on Credit costing Rs. 72,000 at a profit of 25%..
 - (d) Paid for Rent Rs. 5,000.

Delhi English Academy
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Holiday Homework Worksheet
Subject – Business Studies
Class – XI

- Q1. Why does business need multiple objectives? Explain any five such objectives.
- Q2. Differentiate between economic and non-economic activities.
- Q3. “No business is risk free.” Do you agree? Justify your answer, mentioning the nature and causes of business risk.
- Q4. “Economic and non-economic activities don’t substitute, but complement each other.” Do you agree? Explain.
- Q5. “Earning of profits is the main objective of a business and other objectives are there to aid it only.” Do you agree? Justify your answer.
- Q6. For which of the following types of business do you think a sole proprietorship firm of organization would be more suitable, and why?
- (i) Grocery store
 - (ii) Medical store
 - (iii) Legal consultancy
 - (iv) Craft center
 - (v) Internet cafe
 - (vi) Chartered accountancy firm
- Q7. If registration is optional, why do partnership firms willingly go through this legal formality and get themselves registered? Explain
- Q8. Despite limitations of size and resources, many people continue to prefer sole proprietorship over other forms of organization. Why?
- Q9. What do you mean by incorporation of a company? What are the steps involved in the corporation of a company?
- Q10. Explain the factors which affect the choice of form of business organization.

Delhi English Academy
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Holiday Homework Worksheet
Subject – Economics
Class – XI

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 Statistics for Economics

1. Define Economics.
2. Discuss the importance of Statistics in Economics.
3. Statistical Methods are no substitute for common sense. Comment with examples from your daily life.
4. Difference between primary data and secondary data.
5. What are the sources of collection of secondary data? Name any six of such sources.
6. Which of the following errors is more serious and why?
 - a) Sampling error
 - b) Non-sampling error.
7. Do you agree that calculated data is better than raw data? Why?
8. Distinguish between univariate and bivariate frequency distribution.

Part - B Introductory Microeconomics

1. Discuss the central problems of an economy.
2. What do you mean by production possibilities of an economy?

Delhi English Academy
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Holiday Homework Worksheet
Subject – Political Science
Class – XI

Answer the following questions-

- Q1. Describe the function of Election Commission of India?
- Q2. Why do we need electoral reforms.
- Q3. Describe the role of election Commission.
- Q4. What makes an election democratic?
- Q5. Define Habeas corpus.
- Q6. Mention any two points of the objectives resolution.
- Q7. Describe the need for a constitution?
- Q8. How does Indian constitution allow coordination and assurance?
- Q9. Mention the functions of a constitution.
- Q10. What is the constitution?

Delhi English Academy
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Holiday Homework Worksheet
Subject – Geography
Class – XI

Answer the following questions-

- Q1. What is the radius of the earth?
- Q2. Name the three layers of the earth.
- Q3. Name an active volcano in India.
- Q4. What is a Protostar?
- Q5. What is nebula?
- Q6. What was meant by geo centric theory?
- Q7. What do you mean by Supernova?
- Q8 Who forwarded the Nebula hypothesis?
- Q9. What do you mean by a light year?
- Q10. Explain the aim of Geography.

Delhi English Academy
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Holiday Homework Worksheet
Subject – Physical Education
Class – XI

1. Write down any two objectives of physical education?
2. Write a short note on National Discipline Scheme?
3. Explain the role of latest equipment in games?
4. What is the minimum eligibility criteria for getting admission in B. P. E. D. Course?
5. What is the full form of NSNIS.

Delhi English Academy
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Holiday Homework Worksheet
Subject – Computer Science
Class – XI

- Q1. Design a logic circuit and draw its diagram for the Boolean expression: $(A+B) C$.
- Q2. Add the binary numbers: (a) 110101 and 101111 (b) 10110 and 1101
- Q3. What is the role of CPU of a mobile system?
- Q4. What are various categories of software?
- Q5. What is need for secondary memory?
- Q6. How do different components of the computer communicate with each other?
- Q7. Name the software required to make a computer functional. Write down its two primary services.
- Q8. What is cache memory? How is it useful?
- Q9. What is the importance of an OS?
- Q10. Convert the following decimal number to binary:
- i) 13 ii) 106
- Q11. Convert 3674_8 to binary.
- Q12. State DeMorgan's law of Boolean Algebra and verify them using truth table.

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Holiday Homework Worksheet
Subject – Hindi
Class – XI

निम्नलिखित प्रश्नों के उत्तर लिखिए।

प्रश्न-1. पंडित अलोपीदीन का इलाके में कैसा प्रभाव था ?

प्रश्न-2. पंडित अलोपीदीन ने वंशीधर को अपनी सारी जायदाद का स्थायी मैनेजर क्यों नियुक्त कर दिया ?

प्रश्न-3. निम्न पंक्तियों को ध्यान से पढ़िए-नौकरी में ओहदे की ओर ध्यान मत देना, यह तो पीर का मज़ार है। निगाह चढ़ावे और चादर पर रखनी चाहिए। ऐसा काम ढूँढ़ना जहाँ कुछ ऊपरी आय हो। मासिक वेतन तो पूर्णमासी का चाँद है जो एक दिन दिखाई देता है और घटते-घटते लुप्त हो जाता है। ऊपरी आय बहता हुआ स्रोत है जिससे सदैव प्यास बुझती है। वेतन मनुष्य देता है, इसी से उसमें वृद्धि नहीं होती। ऊपरी आमदनी ईश्वर देता है, इसी से उसकी बरकत होती है, तुम स्वयं विद्वान हो, तुम्हें क्या समझाऊँ।

(क) यह किसकी उक्ति है?

(ख) मासिक वेतन को पूर्णमासी का चाँद क्यों कहा गया है?

(ग) क्या आप एक पिता के इस वक्तव्य से सहमत हैं?

प्रश्न-4. निम्नलिखित काव्य पंक्तियों को पढ़कर प्रश्नों के उत्तर लिखिए।

हम तौ एक करि जानानं जानां ।

दोड़ कहैं तिनहीं कौं दोजग जिन नाहिन पहिचांनां।

जैसे बढ़ी काष्ट ही कार्ट अगिनि न काटे कोई।

सब घटि अंतरि तूही व्यापक धरै सरूपे सोई।

एकै पवन एक ही पानीं एकै ज्योति समांनां।

एकै खाक गढ़े सब भांडे एकै कोहरा सांनां।

माया देखि के जगत लुभांनां कह रे नर गरबांनां
निरभै भया कछू नहि ब्यापै कहें कबीर दिवांनां।

1. कबीरदास परमात्मा के विषय में क्या कहते हैं?
2. भ्रमित लोगों पर कवि की क्या टिप्पणी है?
3. संसार नश्वर है, परंतु आत्मा अमर है-स्पष्ट कीजिए।
4. कबीर ने किन उदाहरणों द्वारा सिद्ध किया है कि जग में एक सत्ता है?

प्रश्न-5. संचार क्या है ?

प्रश्न-6. जनसंचार के प्रकार कौन-कौन से हैं ?

प्रश्न-7. जनसंचार के कार्य कौन-कौन से हैं ?

प्रश्न-8. संचार के तत्व कौन-कौन से हैं ?

प्रश्न-9. लेखक ने पाठ में गानपन का उल्लेख किया है। पाठ के संदर्भ में स्पष्ट करते हुए बताएँ कि

आपके विचार में इसे प्राप्त करने के लिए किस प्रकार के अभ्यास की आवश्यकता है ? 'भारतीय गायिकाओं में बेजोड़ लता मंगेशकर पाठ के आधार पर लिखिए।

प्रश्न-10. लेखक ने लता की गायकी की किन विशेषताओं को उजागर किया है ?