



DELHI PUBLIC SCHOOL ALIGARH
CLASS-XI
HOLIDAY HOME WORK-2023-24

Dear students,

This summer vacation let the waves hit your feel, and the sand be your seal. Summer vacation is always meant for fun, frolic and rejuvenation. However, it also means enhancing our skills, becoming more polished and productive at the same time. To ensure we are keeping ourselves creative and innovative, and not just intelligent, our team of teachers have created some mind-blowing activities for you to enjoy and learn from!

Please read through the instructions carefully before completing the tasks.

Wishing you a vacation full of tanning, memories and creative vigor!
Happy holidays!

SUBJECT-ENGLISH

1. MOVIE REVIEW REEL

Let's admit it! We all love watching movies. This time let's convince the classmates to watch a movie in your own special way. You will choose **any one** English movie from the list given below and prepare your review video.

- | | |
|------------------------------|----------------------|
| 1. The Pursuit of Happyness | (Roll no. 1to 3) |
| 2. The Theory of Everything | (Roll no. 4 to 6) |
| 3. Dead Poets Society | (Roll no. 7 to 9) |
| 4. The Man Who Knew Infinity | (Roll no. 10 to 12) |
| 5. The Shawshank Redemption | (Roll no. 13 to 14) |
| 6. Schindler's List | (Roll no. 15 to 17) |
| 7. Good Will Hunting | (Roll no. 18 to 20) |
| 8. Whiplash | (Roll no. 21 to 23) |
| 9. The Imitation Game | (Roll no. 24 to 26) |
| 10. Twelve Years a Slave | (Roll no. 27 to 29) |
| 11. Sound of Music | (Roll no. 30 to 32) |
| 12. Rocky | (Roll no. 33 to 35) |
| 13. The Paper Chase | (Roll no. 36 to 38) |
| 14. The Internship | (Roll no. 39 to 44) |

Watch the movie mindfully, analyze the era it was set on, setting, plot, characters and themes. Now, prepare a script reviewing the movie. Mention the story in a nutshell, what you admired or disliked about the movie, *at least two points* of criticism, and suggestions for improvement. Give a brief highlight about the director, and other movies he/ she has made. You are free to use your creative ideas for the review, choice of movie, genre, but be careful of the language use. You have to submit the script and present the review (2 to 3 minutes) in front of the whole class (without taking help of the written script) in the first week of July. No two scripts should be found same. If found both the students will not be given any credit and the script will be considered null and void. It will be considered as your **ASL Activity for term 1 Exam**.

2. MARKET IT WITH A BROCHURE!

We all know it's not easy to market your idea to a potential customer. To test your persuasion and creative skills, let's create a 3 fold brochure on any of the products mentioned below. The goal is to market the product in a new light, provide relevant information and persuade the public to take the plunge! You can

11. The density of 2 molal solution of NaOH is 1.10 g per ml. Calculate the molarity of the solution.
12. A 6.9M solution of KOH in water contains 20% by weight of KOH. Calculate the density of solution.
13. Calculate the molality and molarity of 1 L solution of 93% H₂SO₄(Wt. /Vol). The density of solution is 1.84g/ml.
14. Chlorophyll the green coloring matter of plants responsible for photosynthesis contains 2.68% of magnesium by weight. Calculate the number of magnesium atoms in 2.0 g of chlorophyll.
15. Calculate molality, Molarity and mole fraction of KI if the density of 20% aqueous KI solution is 1.202 g/ml

B). To inculcate scientific temperament and for understanding the conceptual knowledge of chemistry, students have to prepare a **GLOSSARY OF CHEMISTRY**. Add relevant pictures, diagrams and related to these discoveries. Use A-4 size sheets and write in neat handwriting. Glossary must comprise of 10 Chemistry terms (with their definitions) of each alphabet including Laws, formulas, principles and microscale chemistry apparatus.

SUBJECT-BIOLOGY

- Q.1 Prepare an investigatory project on biomolecules
- Q.2 Prepare a detailed study of cell and cell organelles. Give well labeled and detailed diagrams of all organelles.
- Q.3 Prepare your practical file theory of the mentioned practicals.

SUBJECT- MATHEMATICS

Prepare a working model of mathematics from the prescribed syllabus of class XI Mathematics. It will be considered in half yearly practical exam. So each student has to prepare this model and submit it in the first week of July positively.

SUBJECT-ACCOUNTANCY

Project File

Collection of source Document and paste it into practical file along with the descriptions. (Like different Bills, Cash Memo, Pay in slip etc)

SUBJECT-BUSINESS STUDIES

Students are required to submit the Data Analysis and interpretation on any one of the project given below:

- I. Project One: Field Visit
- II. Project Two: Case Study on a Product
- III. Project Three: Aids to Trade
- IV. Project Four: Import /Export Procedure
- V. Project Five: A visit to any State Emporium (other than your school state).

NOTE: The project work had already been discussed in the class and the detailed guidelines are uploaded on Entab as well as on the class Whatsapp Group.

Good Luck!

SUBJECT-ECONOMICS

Prepare a project report of 5-6 pages on following topic:

1-“A Journey from micro to macro – a need of the century: Pre and Post Great depression 1929”
(Details to be covered: What factors were responsible for the change in approach from “Supply creates its own demand – classical economists to “Demand creates its own supply – Keynes”

NOTE: Submit your project by July, 07, 2023

SUBJECT-HISTORY

1. Analyse and interpret the meaning of any three unseen passages displayed in the following chapters of history text book.
(A) Writing and city life.
(B) Roman Empire

NOTE: - Write answer in your class note book of history.

SUBJECT-POLITICAL SCIENCE

1. Analyse and interpret the meaning of cartoons/pictures displayed in the following chapters of Political science text book.
(A) Constitution, how and why
(B) Election and representation

NOTE: - Write answer in your class note book of Political science.

2. Write the question answer of election and representation lesson in your class note book of political science.

SUBJECT-GEOGRAPHY

A. Prepare cartographic maps

1. Locate and label all the 28 states of India on a Political outline map.
2. Locate and label all the 07 Union Territories of India on a Political outline map.
3. Locate and label the largest country in terms of area in each of the continents of the world.

B. Prepare a chart/collage presenting ANY ONE of the following topics:

- a) Earthquakes Hazards Mitigation
- b) Global Warming and Climate Change Mitigation
- c) Deforestation and Soil Erosion: Mitigating the Impacts

Note:

- Use pencil colours and black pen for cartographic works.
- For chart/collage making take the help from NCERT Books I & II Physical Geography.

Online sources may also be consulted for current information regarding the selected topic and for creativity in work.

SUBJECT-PHYSICAL EDUCATION

- 1) Write down about game the of Cricket: History of the game, Ten Terminologies, Five Skills, Five Tournaments, 10 Players name, Play Field diagram.
- 2) BMI of Four family members.

SUBJECT-COMPUTER SCIENCE

Practical File : Prepare practical file with minimum 13 python programs. List of suggested programs are given below:

1. Write a user-defined program to display the user ID card details.
2. Write a program to assign two numbers. Find the sum, difference, product and remainder of two numbers.
3. To find the area, perimeter and diagonal of a rectangle.
4. Write a program to find the difference between Simple Interest and Compound Interest when Principal, Rate and Time are given [Hint: $SI = (p \times r \times t) / 100$. $Amt = p \times (1 + r / 100)^t$, $CI = A - P$]
5. A computer manufacturing company announces a special offer to their customers on purchasing Laptops and the printers accordingly;

On Laptop: Discount =15%

On Printers: Discount=10%

Write a program in python to calculate the discount. If a customer purchases a Laptop and a Printer.

6. Write a program in python to accept the number of days and display the result after converting it into the number of years, number of months and remaining number of days.

7.

In an examination, the grades are given to the students on the basis of average marks obtained. Write a program to input name and average marks that displays the grade along with the name accordingly:

Marks	Grades
80% and above	Distinction
60% or more but less than 80%	First Division
45% or more but less than 60%	Second Division
40% or more but less than 45%	Pass
Less than 40%	No Grade

8.

The Electricity Board charges from their consumers according to the units consumed per month. The amount to be paid as per the given tariff:

Units consumed	Charges
up to 100 units	₹ 5.50/unit
for next 200 units	₹ 6.50/unit
for next 300 units	₹ 7.50/unit
more than 600 units	₹ 8.50/unit

Write a program to input consumer's name, consumer number and the units consumed. The program displays the following information at the time receiving the money receipt as:

Money Receipt

Consumer Number :
 Consumer's Name :
 Units consumed :
 Amount to be paid :

9. Write a program to print the table of any number in given format.

2X1=2
 2X2=4

10. Write a program to print the sum of digit of any number in given format.

4321
 4+3+2+1=10

11. Count and display the number of vowels, consonants, uppercase, lowercase characters in string.

12. Generate the following patterns using nested loops:

Pattern-1	Pattern-2	Pattern-3
* ** *** **** *****	12345 1234 123 12 1	A AB ABC ABCD ABCDE

13. Display the terms of a Fibonacci series. 0+1+1+2+3+5 +8.....

NOTE:- Kindly make one copy one side blank and one side line. Paste output on left hand side of each question in copy.

SUBJECT-INFORMATICS PRACTICES

Practical File : Prepare practical file with minimum 14 python programs. List of suggested programs are given below:

1. To find average and grade for given marks.
2. To find sale price of an item with given cost and discount (%).
3. To calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle.

4. To calculate Simple and Compound interest.
5. To calculate profit-loss for given Cost and Sell Price.
6. To calculate EMI for Amount, Period and Interest.
7. To calculate tax - GST / Income Tax.
8. To find the largest and smallest numbers in a list.
9. To find the third largest/smallest number in a list.
10. To find the sum of squares of the first 100 natural numbers.
11. To print the first 'n' multiples of given number.
12. Create a dictionary to store names of states and their capitals.
13. Create a dictionary of students to store names and marks obtained in 5 subjects.
14. To print the highest and lowest values in the dictionary.

SUBJECT-PAINTING

Prepare at least 5 imaginative paintings/ composition based on subjects from life in water and poster colours.

1. Affair of family, friends and daily life.
2. Games and Sports Activities.
3. National/ Religious/ Cultural/ Historical/ Social events and celebration.

SUBJECT-DANCE

- Q. Prepare a project on Chhauk and tribhangi (1-5).
- Q. Prepare a project on hand gesture in natya shashtra (asamayukta hasta mudra and samyukta hasta mudra).
- Q. Prepare a project on Odissi dance posture.

SUBJECT-ENTREPRENEURSHIP

Analyse the business plan of the following start ups and submit a report in about 10 to 15 pages.

S. NO. Name of the Students Class/Sec Start ups Allotted

- 1 DHRUV AGRAWAL XI A Meesho
- 2 DHRUVDEEP GUPTA XI A PharmEasy
- 3 GAGANDEEP CHAUDHARY XI A CRED
- 4 ADITYA SAXENA XI B Groww
- 5 ARYAN VERMA XI B Urban Company
- 6 DIVYANSH SINGH XI B Licious
- 7 GARVIT BRIJWASI XI B upGrad
- 8 HARSH PRAJAPATI XI B Grofers
- 9 MUKUND RATHI XI B Vedantu
- 10 RONIT THAKUR XI B MyGlamm
- 11 YATHARTH YASH XI B Mamaearth
- 12 YUVRAJ MAHAJAN XI B BharatPe
- 13 ADITI GUPTA XI C Paymatrix
- 14 PRAVEEN TOMAR XI C Stellapps
- 15 SAMIKSHA JAIN XI C ftcash
- 16 SWETANK MATHUR XI C Chakr Innovation
- 17 YUVRAJ SARASWAT XI C Charge Zone

A business plan is a **document that defines in detail a company's objectives and how it plans to achieve its goals**. A business plan lays out a written roadmap for the firm from marketing, financial, and operational standpoints. Both startups and established companies use business plans.