



DELHI PUBLIC SCHOOL JAMMU

HOLIDAY HOMEWORK

SESSION 2023-24

Class XII

Dear Students

Summer vacations are synonymous with fun, frolic, getting up late in the morning, going for picnics, spending time with friends, exploring new places, and watching fun filled shows on television.

But there is lot more you can do to make your vacations more meaningful, interesting, and fun while still doing your favourite activities.

Here are some suggestions you may like:

Go out for morning walk and spend time to observe nature.

Watch your mom working in the kitchen and help her keep the house clean.

Visit your grandparents, spend time with them.

Teach them to operate some useful applications in mobile phones.

Plant a sapling and watch it grow.

Play any sport with your parents which they played during their school days.

Devote some time for reading during the summer break. Some suggested books:

Summer vacation is the time when you can be more candid and creative. The Holiday assignments are focused to let the creative and latent talents, skills and desires of the children come to the surface in a joyful and experiential manner.

So dear children, Get Set Go Enjoy doing the activities and ensure timely completion of the given assignments.

Happy Summer Holiday Children!



Don't Forget to read a book on vacation!

ENGLISH

1. PROJECT WORK

Choose anyone of the given topics. On basis of the research work done/ interviews conducted, present a detailed Project Report as per the format given. Add pictures and materialistic evidences to make it more creative and presentable.

FORMAT-

a) Cover page (with school's name, Logo and session followed by student's name, class/sec., roll no., submitted by- and submitted to-)'

b) Index

c) Certificate of completion

d) Action Plan

e) Material Evidences (eg. Questionnaire)

f) Project Report

The same project work will be acknowledged for the Final Internal Assessment which carries 10 Marks.

SUGGESTED TOPICS-

1. Women empowerment in India: Analysing the changing role of women in society through literature and real-life examples.

2. Impact of social media on youth: Discussing the positive and negative effects of social media on young people's lives.

3. Climate change: Understanding the causes, effects, and possible solutions to the issue of climate change.

4. Cultural diversity in India: Exploring the rich cultural heritage of India and its importance in promoting unity in diversity.

5. Read a newspaper on regular basis to enhance your vocabulary. Learn and write at least 10 new words everyday. Also collect the samples/cuttings of Articles and Letters to the Editor. Make a collage by pasting the same on a Scrap Book.

6. Revise all the syllabus done in the Month of April and May.

Note-

Rubrics for the evaluation of Holidays Homework:

1. Expression (2 Marks)

2. Content (3 Marks)

3. Language (2 Marks)

4. Presentation (3 Marks)

PHYSICS

Q-Prepare a **Project and Project Report** on any one of the following topics.

General Guidelines:

- The topic chosen should be from any of the topics from XII class curriculum. Some of them are listed below:
 - (i) Electromagnetic Induction
 - (ii) Diffraction of light
 - (iii) Interference of light
 - (iv) Light Dependent Resistor
 - (v) Electroscope
 - (vi) Eddy currents
 - (vii) Transformer
 - (viii) Logic gates
 - (ix) Rectifier
 - (x) Photo diode
- You can also choose any one from the suggested investigatory projects recommended by the CBSE.
- Report should be neat, hand written on A4 sized sheets, should not be less than 10 pages in any case and should be according to the format mentioned below.
 - ❖ Name of the Topic selected
 - ❖ Detailed Theory of the topic
 - ❖ Related diagrams
 - ❖ Working
 - ❖ Applications in various fields (list good number of applications of the topic chosen and explain any two of them in detail. You can use pictures also to demonstrate applications)
 - ❖ Modifications which can be made further (if any)
 - ❖ Bibliography (books referred or any online material used)
- Cover page must be designed by the student which should reflect logo of school, the Topic of the report, Name, Class, Section and Roll no. and should be typed.
- Certificate after cover page should also be typed
- Some of the links related to topics are also provided to facilitate you in learning.

Electromagnetic Induction

1. <https://impulse.schaffner.com/en/emi-filtering-in-medical-devices>
2. <https://leadertechinc.com/blog/application-emi-shielding-technology-defense-systems/>
3. <https://opentextbc.ca/universityphysicsv2openstax/chapter/applications-of-electromagnetic-induction/> **Diffraction and interference of light**
: <https://openstax.org/books/physics/pages/17-2-applications-of-diffraction-interference-and-coherence>

Polarization of light: <https://www.elte.hu/en/content/physical-and-biological-applications-of-polarized-light-in-environmental-optics.s.191>

Eddy currents

<https://www.twi-global.com/technical-knowledge/faqs/faq-what-are-the-applications-and-capabilities-of-eddy-currents>

Photodiode

<http://www.osioptoelectronics.com/application-notes/an-photodiode-parameters-characteristics.pdf>

Logic gates

<https://www.electrical4u.com/some-common-applications-of-logic-gates/>

Rectifier

https://www.google.com/search?rlz=1C1CHBD_en924924&lei=UvmwYO_2CYTZz7sP1YqJ0AE&q=applications%20of%20rectifiers%20in%20daily%20life&ved=2ahUKEwjv59fCxuzwAhWE7HMBHVVFahOQsKwBKAB6BAg3EAE

Light Dependent Resistor

<https://www.semiconductorforu.com/applications-ldr-light-dependent-resistors/>

Rubrics:

1. Project report content : 4 marks
2. Project : 4 marks
3. Timely submission: 2marks

CHEMISTRY

The secret of getting ahead is getting started. The secret of getting started is breaking your complex, overwhelming tasks into small manageable tasks, and started on the first one.

Chemistry helps you to understand the world around you. It helps us visualize and articulate our rationale for the steps in solving a problem

I. Make a investigatory project report on any one of the following topic:

- 1) On green chemistry- Bio-diesel and bio-petrol
- 2) On sterilization of water using bleaching powder
- 3) On analysis of fertilizers
- 4) On measuring the amount of Acetic acid in vinegar
- 5) On determination of contents of cold drinks
- 6) To study the quantity of casein in milk
- 7) On presence of insecticides and pesticides in fruits and vegetables
- 8) On preparation of soya bean milk
- 9) On study of rate of fermentation of juices
- 10) Determination of caffeine in tea samples

II. Following points should be kept in mind while writing the project work.

1. Compare your results with those available in the reference books.
2. Discuss your results in the light of available information about the project and draw out meaningful conclusion.
3. Make use of photographs, diagrams to support your observations and conclusions.
4. Give a list of books, magazines/journals and internet sites you have consulted during the course of your project.
5. Acknowledge the guidance, help and assistance rendered. by your Principal, teachers, parents, and friends by expressing sincere gratitude and thanks to them in the beginning.

How to write an investigatory project:

Students are required to get their project report handwritten on inter-leaf sheets and to represent in the best possible manner. The project report should be written in the following sequence:

Title / Aim– Name of the project.

Introduction – Information collected from various sources related to the topic.

Observations – Record your observations / data in the form of tables, graphs, photographs, etc.

Results / Conclusion– Give analysis of the data and compare your results with those available in the literature and draw conclusions.

References – Give the list of books, internet websites, magazines or journals you have consulted, for the project work.

III. Revise your syllabus and make a small power point presentation on and f block elements.

Note -

Rubrics

Subject Relevance & Research- 4 marks.

Subject Clarity and presentation skills- 4 marks Viva- 2 marks

BIOLOGY

Just like a single cell, the character of our lives is determined not by our genes but by our responses to the environmental signals that propel life.

I.1 Make an investigatory project on any of the following topics:

For selection of the topic for the project, read different chapters of your syllabus and also consult scientific literature, magazines, and newspapers, search engines of internet, etc. Then select the topic of your interest.

1. Importance, usage and preparation of bio-insecticides and pesticides.
2. Population Explosion and Control.
3. Study on infertility-its causes and treatment.
4. Human Genome project.
5. DNA fingerprinting-Its Applications.
6. Mendelian and Chromosomal Disorders-Causes and symptoms.
7. HUMAN DISEASES Any human disease from NCERT text book can be taken as a topic and collect the complete information with statistical data.
8. Genetically Modified Organisms - BT cotton, Antisense Technology.
9. Recombinant DNA technology in Today's Medicine-INSULIN, ELISA, PCR.
10. Study on Gene therapy-Methodology and case study.
11. Drug Addiction and Control.
12. Role of Microbes in Human welfare.

I.2 Following points should be kept in mind while writing the project work.

1. Compare your results with those available in the reference books.
2. Discuss your results in the light of available information about the project and draw out meaningful conclusion.
3. Make use of histograms, graphs, photographs, diagrams or models to support your observations and conclusions.
4. Give a list of books, magazines/journals and internet sites you have consulted during the course of your project.
5. Acknowledge the guidance, help and assistance rendered by your Principal, teachers, parents, and friends by expressing sincere gratitude and thanks to them in the beginning.

I.3 How to write an investigatory project:

- ✓ Students are required to get their project report written on bond paper sheets and to represent in the best possible manner.
- ✓ The project report should be written in the following sequence:
 - ❖ Title / Aim – Name of the project.
 - ❖ Introduction – Information collected from various sources related to the topic.
 - ❖ Observations – Record your observations / data in the form of tables, histograms, graphs, photographs, etc.
 - ❖ Conclusion – Give analysis of the data and compare your results with those available in the literature and draw conclusions.
 - ❖ References – Give the list of books, internet websites, magazines or journals you have consulted, for the project work.

Note . The date of submission of the Holiday Homework to the respective subject teachers will be 20-07-23.

Rubrics:

Subject Relevance and Research-4Marks

Presentation Skills-4Marks

Viva-2Marks

MATHEMATICS

Mathematics is not about numbers, equations, computations or algorithms: It is about understanding

➤ **Complete your project on any one the following topics:-**

List of projects:

Project-1

Description:

Project on history of Mathematicians: It may include history of Indian Mathematicians or history of foreign Mathematicians.

Project-2

Description:

1. Look around yourself:

- In the house....
- In the garden...
- In the nature....

So on

2. Click photographs using mobile and explore the hidden mathematics.

Useful link: <http://mykhmsmathclass.com>

General layout of the project report has the following format:

PAGE NUMBER	CONTENT
Cover Page	Name, Class, Roll Number, Title of the project
1	Table of contents-Page titles
2	Brief description of Project
3 to 8 (may change)	Procedure (with pictures)
9	Mathematical ideas used/involved
10	Conclusion/Result
11	List of resources
12	Acknowledgement

ICT Activity:-

➤ Prepare a power point presentation on the topic Matrices and Determinants. This presentation should describe Matrices and Determinants in detail including all the relevant definitions with examples various concepts and the practical problems.

Class

XII A, XII D, XIIF, XIIG

XII B

Subject Teacher

Mr. Sandeep Sharma

Mr. Rajesh Pandoh

RUBRICS:

Subject Relevance and research: 04 Marks

Presentation: 04 Marks

Timely Submission: 02 Marks

COMPUTER SCIENCE

Computer Science is a science of abstraction-creating the right model for a problem and devising the appropriate mechanizable techniques to solve it.

For your holiday break just try to execute these few programs and write them in your Practical file.

1. Write a Python program to multiply all the items in a list.
2. Write a Python program to get the smallest number from a list.
3. Write a Python program to convert a string to a list.
4. Write a Python script to concatenate the following dictionaries to create a new one:
5. Write a Python program to find the highest 3 values in a dictionary.
6. Write a Python program to sort a list alphabetically in a dictionary.
7. Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have scored marks above 75.
8. Write a function Digit Sum() that takes a number and returns its digit sum.
9. Write a function Div3and5() that takes a 10 elements numeric tuple and returns the sum of elements which are divisible by 3 and 5.
10. WAP to print a string and the number of vowels present in it.

Note -

1. Submit your Holiday Homework after summer vacation. Your submission will carry 4 marks. (2 marks- Subject Relevance & Research, 2 marks- Handwriting).
2. Practical execution of your Homework (5-6mins) to be held in School Computer Lab after holidays. It will carry 6 marks. (2 marks- Confidence, 2 marks- Subject Clarity, 2 marks- Presentation Skills).
3. The teacher may ask 1 or 2 questions during the practical execution of the programs.
4. Date of Submission of the Holiday Home work will be 20-07-2023.

PHYSICAL EDUCATION

Ability is what you are capable of doing. Motivation determines what you do & Attitude determines how well you do it. May these holidays inspire you to show your attitude with motivation to build abilities that may lead to a healthy life.

1. Prepare a hand-written project work on any one game of your choice from the list given below:-

- | | | | |
|-------------|-------------|---------------|---------------|
| a) Football | b) Handball | c) Basketball | d) Volleyball |
| e) Cricket | f) Hockey | g) Kho-Kho | h) Kabaddi |

Points to remember:

- ✓ Hand-written project.
- ✓ Use interleaf sheets for the projects.
- ✓ It may include:
 - Title Page*
 - Certificate*
 - Acknowledgement*
 - Index Page
 - Introduction,
 - History,
 - Rules,
 - Terminologies,
 - Skills,
 - Equipment used,
 - Labeled Diagram of Field,
 - National and International Award Winners,
 - Famous Tournaments
 - Bibliography
- ✓ You can also paste the pictures related to the topic.
- ✓ Properly Covered & decorated with name, session, class and section written on it.
- ✓ This project work will be graded for CBSE Final External Examination.
- ✓ The topics mark with * will be shared with you separately in the WhatsApp group by concerned subject teachers.
- ✓ It's mandatory for all to complete and submit the Project work on time.

2. Revise the syllabus completed up to June 2023.

Rubrics:➤

Project work:	05 marks
Handwriting:	02 marks
Presentation:	03 marks

ECONOMICS

1. Read the following chapters carefully and learn the key points:-

- a) Some basic concepts of macroeconomics
- b) National income and related aggregates
- c) Methods of calculating national income
- d) Money and Banking
- e) Determination of income and employment

2. PROJECT WORK:

Complete your project on any one of the following topics:

- National income and its aggregates
- Central bank and commercial banks
- Deficient demand and excess demand
- Government budget
- Foreign exchange
- Human capital formation in India
- Rural development
- Unemployment
- Environment and sustainable development

Other Topics suggested by CBSE

3. Format for presentation of the Project

- a. External cover page
- b. Acknowledgement
- c. Certificate
- d. Index
- e. Introduction to the topic
- f. Details of the topic (causes, consequences/remedies)
- g. Diagrammatic explanation (if any)
- h. Numerical explanation (if any)
- i. Pros and Cons of the economic event/happening (if any)
- j. Application of the concept
- k. Students' own views/perception/opinion and learning from the topic
- l. Feedback Sheet
- m. Bibliography

4. Mode of presentation of the Project

- a. The project is to be done on inter-leaf sheets.
- b. Avoid using colored sheets when writing the text.
- c. The projects must be neat and well presented and must be completely handwritten. No whiteners to be used or written matter to be crossed out. In case of any mistakes, redo the sheet. It should be of 3,500-4,000 words (excluding diagrams and graphs).
- d. The project concepts need to be supplemented by newspaper articles pasted on the blank side of the paper with the relevant information written on the adjacent page.

e. Rubrics:

1. Relevance of the topic	3 marks
2. Knowledge Content/Research Work	6 marks
3. Presentation Technique	3 marks
4. Viva voce	8 marks
5. Total	20 marks

ACCOUNTANCY

Project Statement

Rahul and Manoj are two brothers. Rahul was interested in computers and often found time to work on computer. Due to his keen interest in computers and its applications made him to take up computer software subject for his degree course. On the other hand Manoj's core interest was in sitting at his father's shop nearby at market place selling electrical appliances after college hours.

Their father Mr. Sunil was happy that Manoj showed interest in his business, but was so worried about the brothers drifting apart after college due to varied interests. Mr. Sunil decided that this is the time for him to intervene and make decisions for them. He felt that the interest of his two sons be put together and they could start a flourishing business of their own – Sunil Computers

The boom in the Information Technology (IT) Industry made him find ways to satisfy his sons' dreams.

Finally he decided to start a computer business for both his sons. He asked Manoj, a commerce graduate to draw up a proposal for the same.

Manoj came out with the following: The area they lived in and run shop consisted of middle income group families and many of them did not possess computers at home. Their shop could be used to provide the following services:

i) Computer classes for various age groups. ii) Computer using facilities on payment per hourly basis and printing of documents from computers. iii) Internet access facilities at the prevailing market rates by entering into contract with the Videsh Sanchar Nigam Limited (VSNL). iv) Computer game corner for children.

The shop they had in the market place was a single story building. On 1st April, 2022, Rahul and Manoj borrowed Rs.1,75,000/- each from their father and introduced it as their capital in the firm. They brought in capital as follows : Rs.10,000/- each in cash Rs.1,65,000/- each by cheque. They constructed first floor of the building owned by their father spending Rs.1,00,000. They put up their proposal to the bank and managed to get the bank loan of Rs.3,00,000.

The bank advanced the loan of Rs.3,00,000 as per the favourable credit worthiness of their father. Repayment structure of the loan was as follows :

End of the 1st year = Rs.1,30,000 (Rs.1,00,000 + Rs.30,000 interest)

End of the 2nd year = Rs. 1,20,000 (Rs. 1,00,000 + Rs.20,000 interest)

End of the 3rd year = Rs.1,10,000 (Rs.1,00,000 + Rs.10,000 interest)

Total amount to be repaid including interest in three annual installments will be Rs.3,60,000

They purchased 10 computers amounting to Rs.4,00,000. The details of the expenditures to start their business is as follows:

- For Electricity Connection—Security deposit of Rs1,000
- For Internet Connection—Security deposit of Rs.1,00,000
- For printing and distribution of pamphlets in the surrounding colonies for advertisement purpose amounting to Rs.4,500
- Computer Café furnished amounting to Rs.45,000.

The students on an average paid a monthly fee of Rs.500 for three months computer evening classes.

There were a number of internet subscribers and receipts on account of internet facility was Rs.10, 000 a month in the first quarters on an average. They also decided to buy and sell computer stationery like floppy disc, CDs, mouse, keyboard, etc.

At the end of the year, their results showed the following:

☆ Total Revenue	Amount in ₹
— Fees from Computer Students	2,70,000
— Sale from Computer Stationery	3,10,000
— Income from Internet Subscribers	3,50,000
☆ Purchases of Computer Stationery	2,55,000
☆ Internet Expenses	1,70,000
☆ Electricity Expenses payable	1,24,000
☆ Telephone Expenses	35,000
☆ General Expenses	12,000

☆ Business Promotion Expenses	15,000
☆ Repair & Maintenance Expenses	
— Computers	14,000
— Building	8,000

There was a helper at their father's shop, who agreed to clean up the Computer Café and fetch water to visitors. For this additional service, he was paid a salary of Rs.500 per month. They both withdrew Rs.5,000 each from bank every month for their personal expenses. They paid the bank loan regularly. All the payments were made by cheques. Father was pleased for his son's efficiency and wanted to expand their business. Closing stock at the end of the year was valued Rs.20,000 Provide depreciation on Building at the rate of 5%, on Computers at the rate 25% and on furniture at the rate 10%.

You are required to :

i) Draw a Partnership Deed for the Rahul and Manoj's firm based upon the above case study.

ii) Journalize the above transactions. Post them into ledger accounts and prepare the trial balance.

ii) Prepare Trading and Profit & Loss account for the year ended 31st March, 2023, P & L Appropriation Account and Balance Sheet as at 31st March, 2023.

Hint: Total of Trial Balance: Rs.14,84,000; Gross Profit: Rs.75,000; Net Profit: Rs.1,69,000; Total of B/s: Rs.7,23,0000

B) Download Financial Statements (Statement of Profit & Loss and Balance Sheet) for the Financial Year 2022-23 of any two Indian Companies to analyze with the help of Accounting Ratios and Cash Flow Statement.

C) Revise the already completed syllabus of the subject.

How to present:

i) Students are required to present the analysis of the Financial Statements prepared for this firm through a Power Point Presentation.

ii) Students need to download and take print outs of the downloaded Financial Statements of any two companies to be used for discussion in the class room for purpose of analyzing the statements by using appropriate Tools of Analysis.

iii) References of books or any online material used by them is to be shown as part of Bibliography.

BUSINESS STUDIES

Good management is the art of making problems so interesting and their solutions so constructive that everyone wants to get to work and deal with them.

Topic- Prepare a project on any one product/service which the students may like to manufacture/provide [pre-assumption].

Instructions for the Project work

Students may work upon the following lines :

Choose a title/topic

Collection of the research material/data

Organization of material/data

Present material/data

Analysing the material/data for conclusion

Draw the relevant conclusion

Presentation of the Project Work

• **The project report should include the following:**

1. Type of product /service identified and the (consumer/industries) process involved therein.
2. Brand name and the product.
3. Range of the product.
4. Identification mark or logo.
5. Tagline.
6. Labelling and packaging.
7. Price of the product and basis of price fixation.
8. Selected channels of distribution and reasons thereof.
9. Decisions related to transportation and warehousing. State reasons.
10. Promotional techniques used and starting reasons for deciding the particular technique.
11. Grading and standardisation.

Details of Project File:

1. Title Page
2. Acknowledgment
3. Certificate
4. Index
5. Introduction of product/service (name, logo, tagline)
6. Pricing of the product
7. Selecting the distribution channel
8. Promotional strategies
9. Comparative analysis
10. Conclusion
11. Bibliography.

Note: The file is to be prepared on Plain White A4 sized sheets.

Rubrics

Creativity in Presentation	4 marks
Content	4 marks
Timely submission	2 marks

GEOGRAPY

“There are no short cuts to any place worth going”

Prepare a Report on the Population Density and the impact of the infections of Novel Corona Virus in the Metropolitan Cities including Delhi, Mumbai, Kolkata and Chennai.

The details of report must include the following points:

1. The details of Population of the above-mentioned cities.
2. Details of the Health and Care Services available
3. Level of Education
4. Socio-Economic Background

How to write:

- **USE A-4 size file paper (one side ruled)**
- **Project must be handwritten. (use blue or black ink)**
- **Cover page must be designed by the student which should reflect the topic.**
- **Topic of the project, Name, Class and Sec, Roll no. should be written on the cover page in bold letters.**
- **The project work should not be of less than 25 pages (including the cover page)**
- **Give the references of books or any online material used.**
- **Utilize summer vacation to complete your project**

Note:

- **Send your Holiday Homework to your respective Subject Teacher by 20th of July, 2022. Your submission will carry 4 marks. (2 marks- Subject Relevance & Research, 2 marks- Handwriting).**
- **Practice for your Homework/ Project Presentation (5-6mins) to be held during virtual class after holidays. It will carry 6 marks. (2 marks- Confidence, 2 marks- Subject Clarity, 2 marks- Presentation Skills).**
- **The schedule for presentation will be shared later.**
- **The teacher may ask 1 or 2 questions during the presentation.**

HISTORY

I. PREPARE A PROJECT ON ANY ONE OF THE FOLLOWING TOPICS:-

THEMES IN INDIAN HISTORY (PART I)

TOPIC:

1. Town planning and Artifacts of the Harappan civilization.
2. The Harappan Civilization
3. Buddhism.
4. Jainism
5. The Mayuran Empire.
6. Ashoka the Great

7. Mahabharata through a Reader's eye:

How have local beliefs interacted, shaped and been influenced by other 'greater traditions' to form different versions and stories of the Mahabharata and how this epic has been projected through various forms.

THEMES IN INDIAN HISTORY (PART II)

TOPIC:

1. Through the Traveler's Eyes;

The experience of Traveler's who visited the subcontinent and how their accounts help us to understand the history of that region in the medieval period.

2. Bhakti Movement
3. Sufi movement
4. The Vijayanagara Empire
5. The Mughal Empire in India
6. Understanding the Bhakti-Sufi Movement in India.
7. Depiction of Life during Mughal period through Paintings.

THEMES IN INDIAN HISTORY (PART III)

TOPIC :

How the Partition in 1947 was not just a division of territory but also a division of hearts and how it affected the common people.

The revolt of 1857
The colonial cities' in India
Mahatma Gandhi
The framing of the constitution
Understanding Partition (Politics, Memories, Experiences)

Guidelines to students

- The students have to **attempt only one** project out of the 15-20 projects given.
- **Word limits: (2500-3000)** i.e. 10 to 15 project sheets.
- Project report must be in **handwritten form**

II. Revise your syllabus.

Note:

1. Submit your Holiday Homework to your respective Subject Teacher by 13th of July, 2023. Your submission will carry 4 marks.(2 marks- Subject Relevance & Research, 2 marks- Handwriting).
2. Practice for your Project Presentation (5-6mins) to be held during regular class after holidays. It will carry 6 marks.

(2 marks- Confidence, 2 marks- Subject Clarity, 2 marks- Presentation Skills).

The schedule for presentation will be shared later.

The teacher may ask 1 or 2 questions during the presentation.

DELHIPUBLICSCHOOLJAMMU

HolidayHomework

2023-2024

Class: XII

Sub: Political Science(028)

“Successful and Unsuccessful people don’t vary greatly in their abilities. They vary in their desires to reach their potential.”

Political Science begins and ends with State. In political science we study Constitution, Democracy, Thoughts, International Relations, Journalism and Various Political System. The method of Political science is the interpretation of Life; its Instrumental insight and understanding of Subtle, unformulated conditions.

Make a Project on any one of the following Topics:

1. India China Relations in Contemporary Era.
2. UNO Basic Principal Organs and Agencies WHO, ILO, UNESCO and UNICEF.
3. ASEAN Formation and role in Current Scenario.
4. European Union Formation and Status of Development.
5. India’s Nuclear Policy.
6. Pandit Deendayal Upadhyay and Integral Humanism.
7. Stamps issued in 1950 to mark the First Republic Day.
8. Different Political Parties in India with their Symbols.
9. Different Lok Sabha Speakers.
10. Green and White revolutions.
11. Scheme and programmes for the educational welfare of SC, ST and Minority communities.
12. India’s relation with neighbouring countries
13. Role of SAARC.

Note: 1.Submit your Homework on 17 July 2023

2. Rubrics

Subject Relevance and Research 4 marks.

Subject clarity and Presentation Skills 4 marks Viva

2 marks

Happy Summer Vacations.

DELHI PUBLIC SCHOOL, JAMMU
SESSION: 2022 - 23
HOLIDAY'S HOMEWORK

CLASS: XII

SUBJECT: APPLIED MATHEMATICS

Mathematics is not about numbers, equations, computations or algorithms: It is about understanding

➤ **Complete your project on any one the following topics:-**

List of projects:

Project-1

Description:

Project on history of Mathematicians: It may include history of Indian Mathematicians or history of foreign Mathematicians.

Project-2

Description:

Make a model with project report having contents:

- a) What is 3D-snowflake?
- b) Its applications on daily life.
- c) Mathematics involved in it.
- d) Procedure of the model.

Useful link: <http://www.wikihow.com>

Project-3

Description:

1. Look around yourself:

- In the house....
 - In the garden...
 - In the nature....
- So on

2. Click photographs using mobile and explore the hidden mathematics.

Useful link: <http://mykhmsmathclass.com>

General layout of the project report has the following format:

PAGE NUMBER	CONTENT
Cover Page	Name, Class, Roll Number, Title of the project
1	Table of contents-Page titles
2	Brief description of Project
3 to 8 (may change)	Procedure (with pictures)
9	Mathematical ideas used/involved
10	Conclusion/Result
11	List of resources
12	Acknowledgement

➤ **Prepare a power point presentation on the topic Matrices and Determinants. This presentation should describe Matrices and Determinants in detail including all the relevant definitions with examples various concepts and the practical problems.**

NOTE:

1. Send your Holiday Homework by e-mail to your respective subject teacher by 10th of July; 2022. Your submission will carry 4 marks (2 marks-subject Relevance and research, 2 marks-Handwriting).
