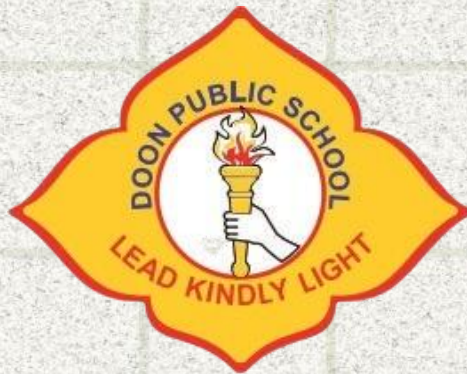


Doon Public School

Doon Public School

A New Generation Sr. Sec. School | Recognised & Affiliated to CBSE
Sector 21, Panchkula - 134112 (Haryana)



SUMMER BREAK ASSIGNMENTS

SESSION: 2024 - 2025

Class – XII (Humanities)



Dear Doonites,

🌻 As we head into the summer vacation, we would like to encourage you to make the most of this time for both relaxation and enrichment.

🌻 While it's essential to take a break and recharge, it's also an opportunity to engage in activities that stimulate your mind and foster personal growth.



📖 **Stay Academically Engaged:**

Read books that interest you or are part of your upcoming curriculum. Review and practice subjects, you find challenging to stay sharp.

🚴 **Stay Physically Active:**

Engage in sports, outdoor activities or regular exercise.

Avoid spending too much time on screens; balance with physical activities.

👩🔧 **Develop New Skills:**

Learn any new hobby or skill such as cooking, gardening, coding, or playing an instrument.

🏠] 😊 **Maintain a Routine:**

Keep a consistent sleep schedule to avoid disrupting your body clock.

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Stay connected and spend quality time with your family and friends. Create memories, share stories, and cherish these moments together.



Mental Well-being:

Take time to relax and unwind; practice mindfulness or meditation.



Moreover, Vacation work has also been planned for you to explore during the break.



Remember, the purpose of this assignment is not to add stress to your vacation but to encourage you to engage in activities that are meaningful and fulfilling.



The work is designed to be enjoyable yet thought-provoking, helping you to continue learning outside the classroom. Remember, learning doesn't stop when school is out!



Take some time to review your notes from the past months. Reflect on what you've learned, your strengths, and areas where you can improve.



Set some goals for the upcoming Periodic Assessment, based on your reflections.



Have a wonderful holiday, and do collect your experiences, reflections, and any new insights gained during this time.

Last but not the least, celebrate and reflect upon several significant days falling during the Vacation time.



World Environment Day (June 5th):



Remind yourself the responsibility to protect and preserve our environment. Engage in activities that promote sustainability, such as planting trees, reducing waste, and conserving energy. Small actions can have a big impact on our planet's health.



Father's Day (June 16th):

Honour and appreciate the fathers and father figures in your lives. Use this day to express your gratitude and love. A simple gesture, a heartfelt message, or spending quality time together can make this day memorable.



International Yoga Day (June 21st):

Maintain physical and mental well-being through yoga. Take some time to practice yoga, learn new poses, and meditate. Share the experience with your family and friends, and explore how yoga can bring peace and balance to your daily life.

Following these guidelines will help you ensure a balanced, productive, and enjoyable summer vacation.

Team Doon looks forward to hearing about your experiences when we return to school.

Wishing you all a fantastic and rejuvenating summer vacation!



Project Work

This document contains the Holiday Homework for all streams of class XII. Students are required to complete the projects for the subjects they have chosen.

English	<p>Make an Interdisciplinary Project on any one chapter or poem of your text books (which has been covered till now).</p> <ul style="list-style-type: none">• Integrate the chapter with minimum four subjects including Art and Moral Values.• Use A4 sheets for English Interdisciplinary Project and create an innovative and attractive cover page for the same.
Psychology	<p>Write the case study on any one of the following disorders: -</p> <ul style="list-style-type: none">• Depression• Mood disorders• Obsessive- compulsive disorder• Schizophrenia• Somatic symptom• Dissociative disorder• Neurodevelopmental• Intellectual disability• Eating/ Substance disorder• Conduct disorder. <p><u>Case profile will include: -</u></p> <ul style="list-style-type: none">• Acknowledgement• Index• Importance of research in Psychology• Introduction of the method (out of the 6 topics)• Advantages and disadvantages• Uses of method in Psychology• Uses of method in everyday life• Making a questionnaire• Conclusion• Bibliography <p>Instructions:</p> <ul style="list-style-type: none">• Write the case study on double side ruled pages.

- Paste pictures wherever relevant.
- Use a clear bag only and no files
- Write the heading with black pen and rest of the content with blue pen.

Accountancy

Prepare a Project file to analyse the accounting data of a company using analytical tools such as Ratio Analysis, Cash Flow Statement, Segment Analysis etc.

Instructions:

- For this purpose, all the students have been allotted a specific company.
- Collect following information of the company allotted to you.
- Write this information mentioned in points (i) to (v) on A4 size sheets in a neat handwriting.
- Take printouts of financial statements mentioned in point no (vi).
 - i. Introduction of the Company allotted
 - ii. History
 - iii. Board of Directors
 - iv. Product information
 - v. Location of the company
 - vi. Financial statements- Income Statement, Cash Flow Statement, Ratio Analysis and Balance Sheet.

Sr. No.	Name	Project
1	Saksham Sharma	Reliance Industries
2	Pranshu Grover	Uber
3	Angel Singla	Vistara Airlines
4	Pragati Arora	Cadbury
5	Sneha Rajput	Cipla
6	Navya Kanwar	HDFC Bank
7	Yuvraj Bansal	Asian Paints
8	Bhawna	Adani Enterprises
9	Krishma	Zomato

10	Angad Nair	Infosys
11	Shreeya	ITC Ltd.
12	Saksham	Sun Pharmaceuticals
13	Vanisha Lamba	SBI
14	Amit Sharma	Titan
15	Prachi Thakur	BHEL
16	Varun Chadha	Tata Motors
17	Kishna Jangra	IOCL
18	Jenesh Patel	Apollo Hospital
19	Vishaka	Sugar Cosmetics
20	Hansika	TCS
21	Reishit Saxena	L & T (Larsen & Tubro)
22	Paraj Tiwari	Quickheal Technologies

Business Studies

Make a project file on the topic assigned to you in the Class.

Topics of Project File

- Principles of Management
- Elements of Business Environment
- Stock Exchange
- Marketing

Instructions:

- The project file should be of 25-30 pages (coloured ruled sheets)
- The project should be hand written.
- The project should be presented in a neat folder.
- Suggested sequence is as follows:
 - i. Cover page
 - ii. List of Content
 - iii. Acknowledgement and Preface
 - iv. Introduction
 - v. Topic with suitable heading
 - vi. Planning and activities done during the project
 - vii. Observations and findings of the visit

viii. Conclusion

ix. Photographs

x. Appendix

xi. Teacher's Observations & Signature

- The pages must be numbered properly and the same shall be mentioned accurately in the index.
- One can get as creative as possible while making the project.
- Timelines of the project should be adhered to strictly.

**Political
Science**

Prepare a project file on the following topics:

- Disintegration of USSR
- Contemporary World (European Union, ASEAN)
- Security Management
- India since independence
- Globalisation

Economics

Make a project file on the topic given below:

S. No.	Name	Project
1.	Prachi, Akash, Sneha	Monetary Policy Committee and its policy
2.	Hiral, Pranshu	Atmanirbhar Bharat
3.	Dhanya	New Education Policy - A promise for new Education system.
4.	Jayesh, Vanya, Angad, Pragati	Digital India - Steps towards the future
5.	Bhawna	Bumper production - Boon or Bane for the farmer
6.	Khushi	Livestock - Backbone of Rural India
7.	Ojas, Yuvraj	Money and Banking
8.	Abhishek	Role of RBI in control of credit
9.	Rimaya, Krishma	Waste Management in India - need of the hour
10.	Sneha	Digital India
11.	Tamanna, Vishaka, Vanisha	Good and Service tax and its impact on GDP

12.	Shreeya	Trends in Credit availability in India
13.	Saksham	Disinvestment policy of the government
14.	Saksham	E - Rupee
15.	Amit	Evolution of money
16.	Prachi	Cashless Economy
17.	Varun	Organic Farming- Back to nature
18.	Jenesh	Livestock - Backbone of Rural India
19.	Hansika	Sarva Siksha Abhiyan - Cost ratio benefits
20.	Reishit Saxena	Make in India - The way ahead
21.	Paraj Tiwari , Kishna	Government Budget and its components

Instructions:

1. Link the topic with real life and supplement your project work with relevant data.
2. Do not indulge into plagiarism and quote the source of information.
3. Conclude your work with personal views on topic assigned.
4. The project file should be between 15 to 20 pages on A4 size coloured sheets.
5. The project should be handwritten including relevant facts figures and newspaper clippings.

Painting

3 sheets of still life drawing in water colour

3 sheets of figure composition drawing

These are the three topics

- Market scene
- Village scene
- Park scene



Hindi	<ol style="list-style-type: none">1. "भारतीय ग्रामीण का जीवन" विषय पर परियोजना चित्र सहित तैयार कीजिए। निम्नलिखित बिंदुओं को समाहित कीजिए •<ul style="list-style-type: none">• आजादी से पहले ,बाद में तथा वर्तमान स्थिति• सुधार की आवश्यकताएँ• आपकी भूमिका, योगदान, सुझाव2. इंटरनेट पर एक परियोजना तैयार करें<ul style="list-style-type: none">• इंटरनेट पत्रकारिता• इंटरनेट पत्रकारिता का इतिहास• भारत में इंटरनेट पत्रकारिता
Physics	<ol style="list-style-type: none">1. Keep your practical record well-organized and neat. Clearly document the experiments and activities. Follow the given link for the list of practical https://cbseacademic.nic.in/curriculum_2025.html The format for documenting any experiment and activity in the practical file should encompass details such as the aim, necessary apparatus, a brief explanation of the theory, precise procedure, precautions, sources of error and result on ruled page of your practical file.<ol style="list-style-type: none">a) Experiments Section A :1, 2,3, 4,6b) Activities section A: 2,3,4,6Note: Section B Experiments and Activities will be done after the Term 1 Exam.2. Prepare content of innovative project file consisting of around 25 to 30 pages on the following suggested and allocated investigatory projects:<ol style="list-style-type: none">a) To study various factors on which the internal resistance/EMF of a cell depends. [Saumya, Mansi - 4545, Aditya Aery]b) To study the variations in current flowing in a circuit containing an LDR because of a variation in (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance), (b) the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR. [Ishika Garg, Naman]c) To find the refractive indices of (a) water and (b) oil (transparent) using a plane mirror, an equi convex lens (made from a glass of known refractive index), and an adjustable object needle. [Akshit, Shrishti, Mansi - 4586]

- d) To investigate the relation between the ratio of (i) output and input voltage and (ii) the number of turns in the secondary coil and primary coil of a self-designed transformer. [Muskan, Ishani]
- e) To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids. [Harshali, Sahitya and Aayush]
- f) To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
- g) To study the factor on which the self-inductance of a coil depends by observing the effect of this coil when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency. [Adit, Smriti and Krrish]
- h) To construct Half and Full wave rectifier using diode and to draw its performance characteristics. Describe a Capacitor filters in Full wave rectifier circuit to smooth the pulsating output into a steady DC voltage needed for electronic circuits. [Anvi, Rachit Saxena and Diksha]

Chemistry

Keep your practical record well-organized and neat. Clearly document the experiments and activities.

The format for documenting any experiment and activity in the practical file should encompass details such as the aim, necessary apparatus, a brief explanation of the theory, precise procedure, precautions, sources of error and result on ruled page of your practical file.

1. Write experiments number in your practical file.

10.1,10.2,10.3,6.1,6.2,6.3,9.1,9.2,8

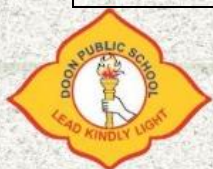
2. Investigatory Projects

(Roll numbers 1-9)

- Biomolecules- write about biomolecules, types of biomolecules, micro-molecules, amino-acids, sugar, nucleotides, macromolecules, polysaccharides, nucleic acid, the living state

(Roll number 5-9)

- Amines- Amines, structure of amines, types, preparation of



	<p>amines, basicity of amines, uses (Roll number 10-14)</p> <ul style="list-style-type: none"> • Electrolytic cell- Discovery, construction, working, examples, importance, uses in daily life (Roll number 15-18) • Electrochemical cell- Discovery, construction, working, examples, importance, uses in daily life
Mathematics	Complete the Mathematics lab manual (neat and clean) with the activity no. 1,2,3,4,5,13,14,20,22and 27.
Applied Mathematics	<ol style="list-style-type: none"> 1. Revise the syllabus of PT-1. 2. Complete the Mathematics Lab Manual with following practical using spreadsheet given below (any five): <ol style="list-style-type: none"> a) Plot the graphs of functions on excel and study the graph to find out the point of maximum minimum. b) Probability and dice roll simulation. c) Matrix multiplication and the inverse of a matrix. d) Stock market data sheet on excel. e) Collect the data on weather price inflation and pollution analyse the data and make meaningful inferences. f) Collect data from newspapers on traffic sports activities and market Trends and use Excel to study future trends. 3. Project on any one Topic given below: Prime numbers and divisibility rules. OR Use of Venn diagrams in solving practical problems Use coloured interleaf sheets to complete the project (minimum 5 sheets).
Biology	<p>Make the project file on the allocated topic given below :</p> <ol style="list-style-type: none"> i. Cancer Biology/ Oncology (Smriti Negi, Muskan) ii. Drug Addiction (Saumya, Ishika, Shrishti) <p>Instructions: The project file should be hand written. Homework for Practical files: Write the following experiments of group B(Spotting) in your practical files:</p>

1. Flowers adapted to pollination by different agencies (Wind, insects, birds).
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development i.e. T.S. of testis and T.S. of ovary through permanent slides (grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S. of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colour /sizes of a plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widows peak and colour blindness.
8. Controlled pollination -emasculation, tagging and bagging.
9. Common disease-causing microorganisms like Ascaris, Entamoeba, Plasmodium and any fungus causing ringworm through slides, models or images or specimens. Comment on symptoms of diseases they cause.
10. Models specimens showing symbiotic association in root nodules of leguminous plants, Cuscuta on host, lichens.
11. Flashcards models showing examples of homologous and analogous organs.

Physical Education

Practical File:

Write the following practical in your practical file of Physical Education.

- Practical-1 (Fitness tests administration)
- Practical-2 (Procedure for Asanas, Benefits and Contraindication for any two Asanas for each lifestyle disease)

Instructions:

- Cover the practical file with white chart.
- Write the heading with black pen.

Computer Science

Write the following program in your practical file of Computer Science.

Part- I (Functions)



1. W.A.P using menu driven to perform the arithmetic operator.
2. W.A.P using menu driven program to find the area of circle, rectangle and Triangle.
3. W.A.P to show Fibonacci series.
4. W.A.P to show factorial of a number
5. W.A P to calculate sum of two numbers
6. W.A P to show table of a number.
7. W.A P to sort the numbers using Bubble Sorting.
8. W.A P to sort the numbers using Insertion Sorting.

Instructions:

- Paste or draw output with each practical.
- Cover the practical file with white chart.
- Write the heading with black pen.

Hindustani

Music Vocal

Practical File:

Assignment 1: Taals

1. Write down the basic bols and rhythm notation for Taal Dadra, Taal Kehrawa & Taal Dhamar.
2. Listen to a composition in all the three taals and identify its rhythmic variations.

Assignment 2: Raag Bhairav

1. Write down one composition in Raag Bhairav (Vilambit & drut khayal), write its Introduction, aaroh avroh pakad, sathayi antra, lyrics and sargam notation along with their alaap taan.
2. Record yourself performing the chosen composition.
3. Reflect on your experience learning and performing Raag Bhairav.

NOTE:

- The Project work in all the subjects must be done on A- 4 sheets and practical files/Books (where ever mentioned), then it will be compiled subject wise in different Project File.

Revise the syllabus covered during the months of April and May for the Periodic Tests.

Portfolios Activities - Mandatory Assignment

Self - introductory page	For the portfolios to be crafted for the upcoming session 2024-25, students have to create a self-introductory innovative page by using drawing, colour, art or any craft, or a digital page using any graphic design software tool, such as Paintbrush, Tux Paint MS PowerPoint etc. This page should include aspects such as strengths, weaknesses, challenges, uniqueness, motivation, areas of improvement, moments of joy, and ambitions. Remember to bring a hard copy of this on the first day when the school reopens.
Community Work	Embark on a journey of giving back to your community this summer! How do you envision making a positive impact? Whether it's lending a hand at a local shelter, orchestrating a park clean-up, guiding younger minds through tutoring sessions, or aiding a food bank, your efforts matter. Capture the essence of your experiences through photos, weaving them into a vibrant collage that mirrors your commitment in your portfolio.
Tree Plantation	Collect seeds of a particular plant of your choice. Then plant the seeds in the soil and observe its growth. Click the picture of yours with the seed on the very first day (5 th June, World Environment Day) and then the picture with the plant on the very last day of your holiday. Paste these pictures on an A4 size sheet.
Save Water	Water is one of the most stressed and exploited resources. Almost 600 million people face high to extreme water stress in India. By 2025, more than 2.8 billion people living in 48 countries will face water stress or water scarcity (United Nations Population Projection). Hence conserving water is the need of the hour, not only for our healthy future but for our future generations as well. But wait, the change starts from within. Have you ever wondered how much water do you waste and how much water



is actually enough for our daily activities? Let's access this with a simple activity by answering the following questions:

1. Do you brush your teeth in running water or with a cup? How much time do you take in brushing your teeth?
2. How many times in a day, do you take bath? Do you use shower?
3. How many washrooms do you have in your home? Are they dual flush or single flush?
4. Do you wash your bicycles with running water/ bucket/ or dry cleaning by wiping with cloth?
5. Are your appliances water efficient? Also mention the ways by which we check the efficiency of our water appliances.
6. Perform a small activity.
 - On the first day, perform all your activities by your traditional methods of using water at home and note down the water meter reading in the beginning and the end of the day.
 - On the second day, devise various methods by minimizing water wastage and keeping a check on your water usage. Note the reading of your water meter in the beginning of the day and at the end of that day.
 - Now multiply the reading of both the days with 30 respectively. And find the difference in the amount of water you conserved.
7. Mention all the different ways you adopted to minimize water wastage at your home?

