

Girls' High School and College, Prayagraj
Class: XII A, B, C & D
Holiday Home – Work
Project
Subject: English Language
Session: 2025 – 2026

Topic : We all have our likes and dislikes related to food. Write the recipe of the most favourite dish that you enjoy.

Project to be written in the given format below:

1. Introduction
2. Presentation
3. Conclusion

NOTE :

1. To be written in Interleaf Assignment Register.
2. Project to be written in 500 words.

Girls' High School and College, Prayagraj

Class: XII A, B, C & D

Holiday Home - Work

Project

Subject : English Literature

Session : 2025 – 2026

Topic : In the Poem Tithonus, how does Tennyson explore the consequences of immortality?

How does the speaker's regret contrast with the common human desire for eternal life.

Project to be written in the given format below:

1. Introduction
2. Presentation
3. Conclusion

NOTE :

1. To be written in Interleaf Assignment Register.
2. Project should be written in 1000 – 1500 words.

Girls' High School & College, Prayagraj

Class: XII

Holiday Homework

Assignment

Subject: Hindi

Session: 2025-2026

निर्देश:-अभिभावकों से यह अपेक्षा की जाती है कि वे यह सुनिश्चित करें कि छात्रा हिन्दी अधिन्यास से सम्बन्धित कार्य को प्रपत्र में दिए गए निर्देशानुसार करे ।

1. पृष्ठ संख्या- (नीचे दायी ओर नाम, कक्षा, वर्ग एवं अनुक्रमांक
01 लिखें)
2. पृष्ठ संख्या- (मध्य में हिन्दी अधिन्यास एवं उसके नीचे सत्र
02 2025-2026 लिखें)
3. पृष्ठ संख्या- (मध्य में विषय-वस्तु लिखें)
03

विषय- "मनुष्य स्वयं अपने भाग्य का निर्माता है । भाग्य के भरोसे रहने वाले निष्क्रिय व्यक्ति जीवन का सच्चा सुख नहीं पा सकते है, कर्म ही जीवन है" "उद्यमी नर" कविता को केन्द्रबिन्दु मानते हुए 1000 से 1500 शब्दों में एक मौलिक कहानी लिखिए जिसका अंत सुखान्त हो ।

4. पृष्ठ संख्या-04

विषय-सूची

क्रम संख्या	दिनांक	विषय-वस्तु	पृष्ठ संख्या	हस्ताक्षर

5. पृष्ठ संख्या-05 आभार

6. पृष्ठ संख्या-06 (मौलिक कहानी लेखन)

7. पृष्ठ संख्या-07 संदर्भित ग्रंथ

नोट- (i) शब्द सीमा- 1000-1500 शब्द

(ii) अधिन्यास से सम्बन्धित कार्य को पूर्ण करने के लिए छात्रा को विज्ञान प्रयोगात्मक कॉपी (Loose Paper of Science Practical File) के पेजों का उपयोग करना अनिवार्य है।

(iii) हेडिंग लिखने के लिए काले ज़ेल पेन व मूल कहानी लिखने के लिए नीले ज़ेल पेन का उपयोग अनिवार्य है ।

_____END_____

Girls' High School and College, Prayagraj

Class : XII A,B

Holiday Home-Work

Assignment

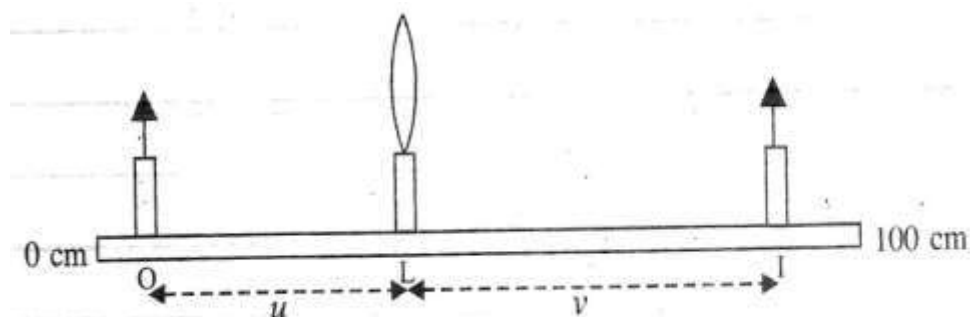
Subject : Physics

Session : 2025 - 2026

Instructions:

1. The students are expected to do this holiday homework in their Physics Note-Book/Register.
2. The students are expected to use separate graph sheet to draw the graph with proper scale and past it opposite to observation table.

A student performs an experiment based on optics. Experimental set up is as follows:



She makes the following observations

Position of Object (O) in cm	Position of Lens (L) in cm	Position of Image (I) in cm
0.0	16.0	49.2
0.0	17.0	44.0
0.0	18.0	43.0
0.0	19.0	42.7
0.0	20.0	42.0

Now calculate $u = (L-O)$ cm, $v = (I-L)$ cm, $x = \frac{100}{u}$, and $y = \frac{100}{v}$. Tabulate all values properly with units and plot a graph of y against x . From the graph calculate slope of the graph = $\frac{y_2 - y_1}{x_2 - x_1}$.

What is its value?

Also find y_0 , value of y when $x = 0$.

Find focal length $f = \frac{100}{y_0}$.

END

Girls' High School & College ,Prayagraj
Class: XII B,C
Holiday Home-Work
Project
Subject: Mathematics
Session: 2025-2026

INSTRUCTIONS:

There will be two separate Projects as per the topics given below. Use interleaved sheets to make the project.

Order to be followed

- Acknowledgement
- Index
- Introduction of the topic (It should not be more than 6 to 8 pages.)
- Question
- Bibliography

3. Use only black pen for headings and subheadings and blue pen for writing.

4. Keep both the projects in one file. Cover the file with brown paper. Write MATHS PROJECT in the middle and Name, Class, Section, Roll no. and Session should be written at the bottom right corner. Cover it with cellophane sheet and at the top right corner, paste a white slip (2cm by 6cm, bordered in black) and leave it blank.

Topics for the project

Attempt any one question from Section A and one from either Section B or Section C

Section A

Q1. Explain the conditional probability, the theorem of total probability and concept of Baye's Theorem with suitable examples.

Q2. Explain and illustrate with suitable examples the concept of absolute maxima and minima using graph.

Q3. Using a graph demonstrate a function which is one - one but not onto.

Q4. For a dependent system (non-homogeneous) of three linear equations of three variables, identify infinite number of solutions.

Section B

Q1. Find the image of a line with respect to a given plane.

Q2. Find the area bounded by a circle and a circle.

Q3. Using Vector algebra, find the area of parallelogram and triangle.

OR

Section C

Q1. For a given data, find regression equations by the method of least squares. Write the properties of regression lines.

Q2. Using any suitable data, find the minimum cost by applying the concept of Diet Problem.

Q3. Draw a rough sketch of Cost(C), Average Cost(AC) and Marginal Cost (MC)

OR

Revenue (R), Average Revenue (AR) and Marginal Revenue (MR)

Give their mathematical interpretation using the concept of increasing or decreasing functions and maxima - minima.

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Girls' High School and College, Prayagraj
Class : XII A & B
Holiday Home-Work
Project
Subject : Chemistry
Session : 2025 - 2026

Write project on the topic selected from the following topics:

1. Amino acids: Peptides, structure and classification, proteins structure and their role in the growth of living beings.
2. Nucleic Acid: DNA and RNA – their structure. Unique nature. Importance in evolution and their characteristic features.
3. Carbohydrates and their metabolism, Blood - haemoglobin and respiration.
4. Vitamins and hormones
5. Simple idea of chemical evolution.
6. Natural polymers (any five) - structure, characteristics, uses. Synthetic polymers (any five) - method of preparation, structure, characteristics and uses.
7. Types of Dyes - methods of preparation, characteristics and uses.
8. Chemicals in medicines: antiseptics, antibiotics, antacids, etc. and their uses.
9. Chemicals and chemical processes in forensic studies.
10. Insecticides, pesticides and chemical fertilisers.
11. Ancient Indian medicines and medicinal plants.
12. Organic Chemistry in Nutrition, Food Science and Biotechnology.
13. Effect of Green House Gases.
14. How Plastics have changed the world, both socially and economically.

Project to be written in the given format below:

1. Introduction / purpose
2. Contents
3. Analysis/ material aid (graph, data, structure, pie charts, histograms, diagrams, etc.)
4. Presentation
5. Conclusion
6. Bibliography

Note:

1. To be written on interleaf pages.
2. Project should be of 30-35 pages.

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Girls' High School & College, Prayagraj

Class: XII A

Holiday Home Work

Project

Subject: Biology

Session: 2025 – 2026

Instructions:

The project should be written under the following headings –

1. Topic
2. Index
3. Acknowledgement
4. Introduction
5. Content (subtopics)
6. Conclusion
7. Bibliography

Topics:

1. Traditional methods of pest deterrence
2. Environmental resistance
3. Drug addiction and community
4. Role of microorganisms in industry
5. Genetic disorders

- The students will write a project on the topics (1-5) mentioned.
- It will be written according to the class roll numbers (1-5) which will be repeated for the next five students
i.e. Topic 1 will be for roll no. – 1, 6, 11, 16 and so on.
- The project should be of 20 – 25 hand written pages.
- It should have diagrams, pictures, graphs etc. supporting the topic.

Girls' High School & College, Prayagraj

Class: XII B

Holiday Home-Work

Assignment

Subject: Computer Science

Session: 2025-2026

Reference Book: COMPUTER SCIENCE with Java Class 12 By Sumita Arora (Dhanpat Rai & Company)

INSTRUCTIONS: The students are expected to write **30 programs** in java. The sequence of the programs will be as follows:

1. 6 programs on Strings (display strings vertically, sorting the words of sentence, etc.)
2. 6 programs on numbers (magic composite, goldbach, isbn number, unique number etc.).
3. 4 programs on recursion (Fibonacci series, factorial, binary search, anagrams, etc.).
4. 4 programs on data structures (stack, queue, dequeue, circular queue).
5. 4 programs on inheritance
6. 4 programs on 2-D array (spiral matrix, boundary elements, non-boundary elements, sorting rows of matrix, sorting columns of matrix)
7. 2 miscellaneous programs (date programs)

Instructions for writing the project

- The students are expected to execute the above programs on the computer system on BlueJ.
- The project is to be made on **MS Word**.
- The student should type the algorithm and variable description on MS Word.
- The sequence for each program should be **algorithm, program and variable description**.
- Format of Variable Description:

<u>Name of the variable</u>	<u>Data type</u>	<u>Purpose/Description</u>

- The font size should be **12**.
- The project is to be preceded by acknowledgement and index.
- The format of index is:

S. No.	Program	Remark

- No bibliography is required.

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Girls' High School & College, Prayagraj

Class : XII C

Holiday Home-Work

Project

Subject : Commerce

Session : 2025-2026

INSTRUCTIONS:

1. There will be two separate Projects as per the topics given below.
2. Order of each project :
 - **Acknowledgement** should be short and simple. Write your name, class, section and roll no. at the end. (one page)
 - **Name of the topic** (one page)
 - **Index** (only serial no. , content and page no. , should be of one page.)
 - Subject Matter of the topic (describe the topic with Introduction , relevant headings and sub headings, supported with pictures/diagrams/ graphs/ tables, as per the requirement. It should not be more than 8 to 10 pages.)
 - **Conclusion** (one page)
 - **Bibliography** (write the name of related websites and books consulted for the making of the project. One page.)
 - Each project should not be more than 15 pages including all the points mentioned above. Don't use vulgar or objectionable pictures.
3. Relevant pictures should be pasted neatly and must be **bordered in black** along with **labelling or heading**. Use **only black and blue pens** for writing.
4. Sample projects are given at the end of the course book. These can be read to understand the topics but don't copy the matter from here.
5. Keep both the projects in **one file**. Cover the file with **pink chart paper**. Write **Commerce Project 2023-2024** in the middle and Name, Class, Section, Roll no., Admission no. should be written at the bottom right corner. Then cover it with cellophane sheet and at the top right corner, paste a white slip (2cm by 6cm, bordered in black) using fevicol and leave it blank.
6. Course book, reference books and relevant websites can be used to find the subject matter of the project.

Topics for the Project:

1. Compare marketing strategies adopted by two different companies of the same industry (FMCG/ Telecommunication/ media/ education industry, etc. keeping in mind the following :
 - Product Mix
 - Price Mix
 - Place Mix
 - Promotion Mix
2. Select any business undertaking. Study the selected business in terms of ownership, capital and profitability.
Make a SWOT analysis and present it in a tabular form.

END

Girls' High School & College, Prayagraj

Class: XII C

Holiday Home-Work

Project-I

Subject : Accounts

Session : 2025-2026

Instructions:- Students have to develop a case study on their own, involving two partners, who decide to start a partnership firm. They have to write atleast 15 transactions on the basis of the points mentioned below and then they have to write the journal entries, prepare ledger accounts, then Trial balance, then Trading and P/L a/c, P/L Appropriation a/c, Partners' Capital a/c and the Balance Sheet. Lastly, the Conclusion. The order as well as presentation is similar to the first project made in class 11. The length - 15 to 20 pages.

Preparation of Journal/Sub-division of Journal, Ledger, Trial balance and Financial Statements of a Partnership form of business on the basis of a case study.

- Develop a case study showing how two or more friends decide to come together and start a business with a certain amount of capital.
- Prepare their Partnership Deed including interest on Capital, Partner's salary, commission, interest on drawings, interest on partner's loan and rent paid to a partner.
- Write in detail, their transactions during the year : purchases - cash and credit, sales - cash and credit, expenses, purchase of fixed assets and depreciation charged on them, any outstanding expenses, prepaid expenses, accrued income, drawing bills of exchange, accepting bills payable etc.
- From this case study developed (which should have at least 15 transactions), pass the journal entries, post them into the ledger, prepare a Trial Balance and the Trading and Profit and Loss Account, Profit and Loss Appropriation Account and Balance Sheet.

- The various expenses, for comparison purpose, could be depicted in the form of bar diagrams, pie charts.
- Calculate relevant accounting ratios like liquidity, solvency, activity and profitability - giving their formulae and computation (all this could be part of the viva-voce).
- The ratios could also be shown graphically and/or pictorially (bar diagrams, pie charts) and if possible, could be compared with the ratios of the industry.

The End

Girls' High School & College, Prayagraj

Class: XII C,D

Holiday Home-Work

Project

Subject: Economics

Session: 2025-2026

INSTRUCTIONS:

1. There will be two separate Projects as per the topics given below.
2. Order of each project :
 - Acknowledgement should be short and simple. Write your name, class, section, and roll no. at the end. (one page)
 - Name of the topic (one page)
 - Index (only serial no. , content, and page no. , should be of one page.)
 - Subject Matter of the topic (describe the topic with Introduction , relevant headings, and subheadings, supported with pictures/diagrams/ graphs/ tables, as per the requirement. It should not be more than 8 to 10 pages.)
 - Conclusion (one page)
 - Bibliography (write the name of related websites and books consulted for the making of the project. One page.)
 - Each project should not be more than 15 pages including all the points mentioned above. Do not use vulgar or objectionable pictures.
3. Relevant pictures should be pasted neatly and must be bordered in black along with labelling or heading. Use only black and blue pens for writing.
4. Sample projects are given at the end of the course book. These can be read to understand the topics but do not copy the matter from here.
5. Keep both the projects in one file. Cover the file with brown paper. Write Economics project 2025-2026 in the middle and Name, Class, Section, Roll no., Admission no. should be written at the bottom right corner. Then cover it with cellophane sheet and at the top right corner, paste a white slip (2cm by 6cm, bordered in black) using glue and leave it blank.
6. Course book, reference book(s) and relevant website(s) can be used to find the subject matter of the project.

Course Book –

ISC Economics – II For Class XII by D.K. Sethi & Mrs. U. Andrews

Topics for the Project:

1. The economic impact of Trump's Trade War on India.
2. Monopolistic Competition: Behavior of firms in short term and long term.

END

Girls' High School & College, Prayagraj

Class: XII D

Holiday Home-Work

Project

Subject: History

Session: 2025-2026

TOPIC : ROLE OF INDIRA GANDHI IN INDIAN POLITICS

ACKNOWLEDGEMENT

CONTENTS

ABSTRACT

INTRODUCTION

HYPOTHESIS

METHODOLOGY

Chapter – 1 - Introduction – Brief Biography, Early Life, Entry into Politics.

Chapter – 2 - First Term as Prime Minister, Second Term as Prime Minister

Chapter – 3 - Turn of Events

Chapter – 4 - The Non-Aligned Movement, Social Reforms, Language Policy

Chapter – 5 - Awards and Honours

CONCLUSION

BIBLIOGRAPHY

WEBLIOGRAPHY

PICTURE GALLERY

Note : Only topics, sub-topics in black Ink, rest of the project in blue ink.

Total number of pages 24

Girls' High School & College, Prayagraj

Class: XII D

Holiday Homework

Dissertation

Subject: Political Science

Session: 2025-2026

Title Page: Role of Caste in Indian Politics

Acknowledgement

Table of Contents

Chapter I Introduction

Hypothesis- Role of Caste in Indian Politics

Methodology- The researcher has taken help from books,
official websites, research journals,
political magazines and newspapers to
complete the dissertation.

Chapter II Caste based Political Parties in India (10 political parties)

Chapter III Role of Caste in Indian Politics

Conclusion

Bibliography/Webliography

Picture Gallery (2 pages)

Instructions- Word limit-2000, Max. Pages- 20.

File to be covered with brown paper.

END

Girls' High School & College Prayagraj
Class: XII D
Holiday Home-Work
Project
Subject: Sociology
Session: 2025-2026

Instructions:

1. There will be two separate Studies on the given topics in the Project. The pattern will be same as done in class 11.
2. Order of the Project will be as follows: (word limit -2000)
 - a. **Acknowledgement:** (should be on 1 page only): Include the names of both the studies; write your name, class and section at the end on the right-hand side.
 - b. **Table of Contents:** (should not exceed 2 pages): There should be only 3 column- Serial No., Content and Page No.
 - c. **Title Pages:** Title Pages of both the studies will include - **STUDY 1-** (Name of the Study) and **STUDY 2** (Name of the Study)
 - d. **Subject Matter:** Describe the topics as per the headings given, supported by relevant pictures. Pictures (coloured / black & white) should be collected and pasted systematically, they will be bordered in black along with labeling or heading. Use Black ink for headings and labelling everywhere.
 - e. **Conclusion: Only 1page** - (separate for each study)
 - f. **Bibliography** (New pg): Names of Books & Writers - (separate for both the studies)
 - g. **Webliography** (New pg): Names of Websites / links (Do not write www.google.com) – (separate for both the studies)
3. **The following books or other relevant books and websites can be used to find the subject matter for the topic - BOOKS:** (a) ISC Sociology for Class XII- Manjir Ghosh- Kalyani Publishers (Course Book); (b) Sociology: Principles of Sociology with an Introduction to Sociological Thought - CN Shankar Rao- S. Chand (Ref. Bk); (c) Sociology of Indian Society - CN Shankar Rao - S Chand (Ref. Bk)
4. File is to be covered with lavender coloured paper and cellophane sheet over it.

Study 1- Changing status of women

1. Can interview women in these areas and ask questions such as:
 - how their lives have changed socially and economically
 - how education has changed their lives
 - what they see as symbol of this change
 - a comparison between the past and present should be done
2. Summary of the Government's legislations/bills on women- (to analyse how successful the Government's efforts have been at emancipating women).
3. Conclusion of the Study.
4. Study should be supported by photographs

STUDY 2- GENDER ISSUES

1. Introduction – Meaning of gender issue, what is gender inequality, factors responsible for gender inequality.
2. Types of Gender Issues.
3. Feminism in India – Prominent women in the history of the Indian Feminist Movement.

4. **CASE STUDIES**- 2 case studies on real life incident.
5. Summary of the Government's legislations/bills on women- (to analyse how successful the Government's efforts have been at emancipating women).
6. Conclusion of the Study.
7. Study should be supported by photographs.

Girls' High School & College, Prayagraj
Class: XII-D
Holiday Home-Work
Project
Subject :Legal Studies
Session: 2025-2026

INSTRUCTIONS:

- 1. There will be two separate studies on the given topics in the project.**
2. Order of the Project will be as follows:(**word limit 2000**)
 - a) Acknowledgement** – it should be same for both the studies .
 - b) Table of Content** –there should be only 3 column –serial no., content and page no.
 - c) Subject matter** – The body of the Project(it should contain all the headings ,matter supported by pictures).Note : pictures should be well labelled and use black ink for writing heading and labelling the pictures.
 - d) Case Laws- Minimum 3 cases** should be there related with the project topic (only the facts and judgement) for both studies.
 - e) Conclusion** –Only one page (separate for **each** study).
 - f) Bibliography** – Name of the Books & Writers (separate for both the studies)
 - g) Webliography** – Name of Websites/ links (Separate for both studies) *should not use chatgpt.
- 3. Related Books-** Bareacts can be referred, for 1st study- ADR (ADR by S C Tripathi) OR any other relevant books, 2nd study –Indian Constitution Bareact by Universal Publication, (Indian Constitution by J.N .Pandey), or any other relevant book.
4. File is to be covered with “**BROWN PAPER**” and cellophane sheet over it.

STUDY -1: Discuss the role of Mediator and Conciliator in the ADR process.

STUDY -2: Understanding Fundamental Rights under the Indian Constitution.