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

Question for Project :

At the end of the poem, 'Abhisara – The Tryst', the Ascetic tells Vasavadatta, "The time, at last, has come to visit you, and I am here."

Explain the change in time when Vasavadatta met Upagupta for the first time and now. How has the poet depicted this change? Do you think it brought about change in Vasavadatta? Give reasons.

Project to be written in the given format below:

1. Introduction
2. Main body
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: XI
Holiday Homework
Assignment
Subject: Hindi
Session: 2025-2026

निर्देशः-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- 01   (नीचे दायी ओर नाम, कक्षा, वर्ग एवं अनुक्रमांक लिखें)

2. पृष्ठ संख्या- 02   (मध्य में हिन्दी अधिन्यास एवं उसके नीचे सत्र 2025-2026 लिखें)

3. पृष्ठ संख्या- 03   (मध्य में विषय-वस्तु लिखें)

विषय-वस्तु-   "निःस्वार्थ सेवा ही धर्म का लक्ष्य है ।" 'शरणागत' कहानी को ध्यान में रखते हुए इस विषय पर लगभग 800 से 1000 शब्दों में एक मौलिक कहानी लिखिए, जिसका अंत शिक्षाप्रद और सुखान्त हो ।

4. पृष्ठ संख्या-04

<u>विषय-सूची</u>

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 ज़ैल पेन व मूल कहानी लिखने के लिए नीले ज़ैल पेन का उपयोग अनिवार्य है ।
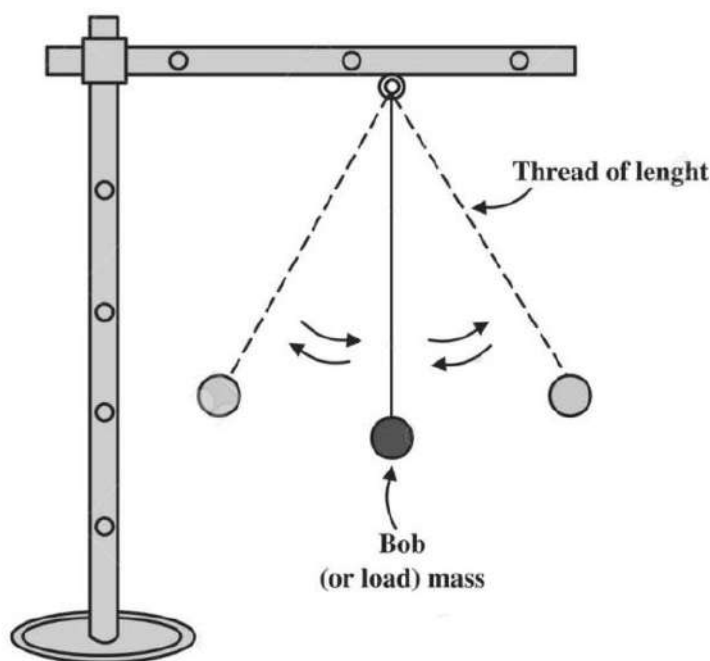
_____END_____

Girls' High School and College, Prayagraj
Class : XI A & B
Holiday Home-Work
Assignment
Subject : Physics
Session : 2025 - 2026

Instructions:
1. The students are expected to do this holiday homework in their register sheets.
2. The students are expected to use separate graph sheet to draw the graph with proper scale and paste it opposite to observation table.

A student performs an experiment in physics lab to determine the acceleration due to gravity (g) with the help of simple pendulum.

The radius of the bob is known which is **0.60 cm.** He records the time for 20 oscillations at different length of pendulum which is given below.

S. No.	Length of thread L (in cm)	Time taken for 20 oscillations t (in sec)
1.	80.0	36.0
2.	90.0	38.0
3.	100.0	41.0
4.	110.0	43.0

The time period (T) simple pendulum is given by

$$T = 2\pi \sqrt{\frac{l}{g}}$$

Where l is the effective length (length of thread + radius of bob) of pendulum and
g is the acceleration due to gravity

Draw a graph of best fit line of l against T^2, and find the slope S of straight line and therefore calculate the value of $g = 4\pi^2 S$.
Taking g= 9.8 m/s^2 as a true value, find percentage error in determination of value of g.

Using above observation table of simple pendulum study the relationship between time period of simple pendulum and its length by plotting a free hand smooth graph of T against l. Name the curve thus obtain.

END

Girls' High School & College, Prayagraj

Class : XI A, B

Holiday Home-Work

Project

Subject: Chemistry

Session : 2025-26

Write a project on the following topic:

"**Ancient Indian Medicines and Medicinal Plants**" (Any five)

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 20-25 pages.

Girls' High School & College, Prayagraj

Class: XI 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. AIDS
2. Cancer
3. Diabetes
4. Respiratory disorders due to air pollution
5. Medicinal plants – Any 10

➢ 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: XI B,C
Holiday Home-Work
Project
Subject: Mathematics
Session: 2025 – 2026

Instructions: Use interleaf sheets to make the project. It should be covered with brown paper. Write Maths Project in the middle and Name, Class and Section, Roll. No. , admission no. and Session 2025-2026 should be written at the bottom right corner. Draw the diagrams (wherever required) on the left side and writing matter on the right side of interleaf sheets. Questions to be written with black pen and solutions with blue pen only.

The order to be followed

Acknowledgement

Index (only serial no., content and page no.)

Introduction (of the topic not more than 3 pages)

Question

Bibliography

Questions

Q1. Given: $\frac{sin^3x}{sin^2x} - \frac{cos^3x}{cos^2x}$ = 8 cox 2x. Is it true or false ?

Q2. Show that the sum and the product of two complex numbers are real if and only if they are conjugate of each other.

Q3. Out of 100 students 15 passed in English ,12 passed in Mathematics ,8 in Science ,6 in English and Mathematics ,7 in Mathematics and Science ,4 in English and Science ,4 in all three. Find how many passed: (i) in English and Mathematics but not in Science?
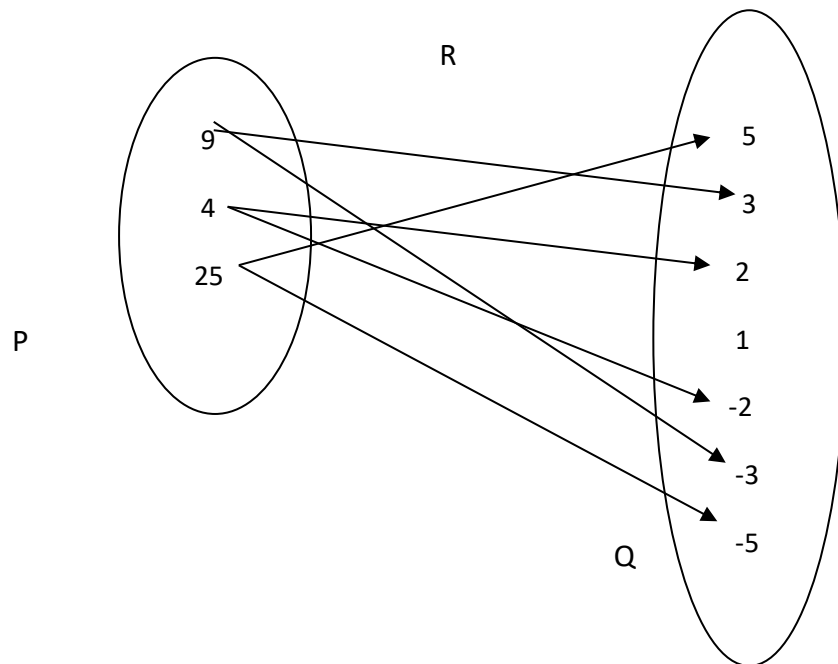
(ii) in Mathematics and Science but not in English?

(iii) in Mathematics only?

 (iv) in more than one subject?

Q 4. The figure shows a relation between the sets P and Q. Write this relation in set - builder form and roster form. What is the domain and range?

Q5. If A = {3,5,7,9,11}, B= { 7,9,11,13}, C = {11,13,15} and D= { 15,17}, find

(i) A∩B   (ii) A∩ C ∩ D (iii) (A ∪ D) ∩(B∩ C)   (iv) A – (B ∪ C)

Q6. Draw the graph of quadratic function taking example of different quadratic equations following the given nature of roots:

(i) real and different   (ii) real and equal   (iii) imaginary

Or

Draw the graphs of sin x, sin 2x, 2 sin x and sin x/2 on the same graph using same coordinate axes and interpret the same.

The End

Girls' High School & College, Prayagraj
Class: XI B
Holiday Home-Work
Assignment
Subject: Computer Science
Session: 2025-2026

<u>Reference Book</u>:   COMPUTER SCIENCE with Java Class 11 By Sumita Arora (Dhanpat Rai & Company)

<u>INSTRUCTIONS</u>: The students are expected to do **four** programs in java and **ONE** project.

<u>Computer Assignment</u>:

The sequence of the programs will be as follows:

1. Write a program to generate emirp numbers between a given range m and n. An emirp number is a number which is prime and its reverse is also prime.

    INPUT: m=10

          n=20

    OUTPUT: THE EMIRP NUMBERS ARE:

                11 13 17

2. A prime-palindrome integer is a positive integer which is prime as well as palindrome. Given two positive integers m and n, where m<n, write a program to determine how many prime- palindrome integers are there in the range between m and n (both inclusive) and output them.

    The input contains two positive integers m and n, where m<3000 and n<3000. Display the number of prime-palindrome integers in the specified range along with their values in the format specified below:

    INPUT: m=100

          n=1000

    OUTPUT: THE PRIME PALINDROME INTEGERS ARE:

            101, 131, 151, 181, 191, 313, 353, 373, 383, 727, 757, 787, 797, 919, 929

            FREQUENCY OF PRIME PALINDROME INTEGERS: 15

3. Twin prime are consecutive prime numbers whose difference is 2. For example (3, 5), (11,13), (17, 19) are all twin prime numbers. Write a program to generate twin prime numbers within the given range M, N where the range is entered by the user such that M<N.

    INPUT: M=2

          N=40

    OUTPUT: TWIN PRIME NUMBERS ARE:

           3,5   5,7   11,13   17,19   29,31

4. A Goldbach number is a positive even integer that can be expressed as the sum of two odd primes.

    Note: All even integer numbers greater than 4 are Goldbach numbers.

    Example:

    6 = 3 + 3

    10 = 3 + 7

    10 = 5 + 5

    Hence, 6 has one odd prime pair 3 and 3. Similarly, 10 has two odd prime pairs, i.e., 3 and 7, 5 and 5.

    Write a program to accept an even integer 'N' where N > 9 and N < 50. Find all the odd prime pairs whose sum is equal to the number 'N'.

    INPUT:N = 14

OUTPUT: PRIME PAIRS ARE:
       3, 11
       7, 7

Instructions for writing the assignment

- The students are expected to execute the above programs on the computer system on BlueJ.
- Write the executed programs on interleaf punched papers.
- The student should write algorithm, program and variable description.
- The algorithms and programs are to be written on ruled side and the variable descriptions on the blank side.
- Format of Variable Description:

Name of the variable	Data type	Purpose/Description

- The assignment is to be written with blue pen and the headings with black pen.
- The assignment is to be preceded by acknowledgement and index.
- The format of index is :

S. No.	Program	Page No.	Remark

- No bibliography is required.

Computer Project:

List of suggested projects:
- Creating an expert system for medical diagnosis on the basis of symptoms and prescribe suitable treatment.
- Develop a console-based application using Java for Movie Ticket Reservation.
- Develop a console-based application using java to find name of the bank and branch location from IFSC.
- Develop a console-based application using Java to calculate taxable income (only direct tax).

Instructions for writing the project:

- The students are expected to execute the program on the computer system on BlueJ.
- The project is to be made on MS Word.
- The students should type the algorithm and variable description on MS Word and then paste the program along with the output.
- The font type should be Calibri(body) and font size should be 12.

------END------

Girls' High School & College, Prayagraj
Class : XI 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. Acknowledgement should be short and simple. Write your name, class, section and roll no. at the end. (one page)

Order of each project :

• **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. Select a daily use consumer product. Trace its origin right from the primary industry through the secondary and tertiary industries. Draw a flow chart to include all the business activities in its path from the producer to the consumer.

2. Assume you are starting a partnership firm with your friend/friends. Develop a business plan covering the following aspects:
   - formation of this partnership firm – rules and steps that would be followed including the partnership deed.
   - Choice of types of partners involved and your justification for the same.

END

Girls' High School & College, Prayagraj
Class: XI C
Holiday Home-Work
Assignment
Subject : Accountancy
Session : 2025-2026

Record the following transactions in the books of X, prepare all the ledger accounts and cast a Trial balance with the help of ledger balances.

2022		
June 1	Started business with cash	80,000
June 5	Purchased goods from Rahul	50,000
June 7	Sold goods against cheque	60,000
June 8	Sold goods to Rakesh	10,000
June 11	Paid salaries	25,000
June 13	Paid electricity bill in cash	3,000
June 15	Paid to Rahul Rs. 28,000 by cheque, received discount Rs. 2,000	
June 18	Dues from Rakesh were not receivable	
June 25	Goods lost in fire costing (Insured)	3,000
June 28	Insurance Claim received	2,500

The End

Girls' High School & College, Prayagraj
Class: XI 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 – I For Class XI by D.K. Sethi & Mrs. U. Andrews

Topics for the Project:

1. Water conservation: Need of the hour.
2. Emerging challenges of rural development.

END

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

TOPIC : ROLE OF MAHATMA GANDHI IN INDIAN FREEDOM STRUGGLE

ACKNOWLEDGEMENT

CONTENTS

ABSTRACT

INTRODUCTION

HYPOTHESIS

METHODOLOGY

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: XI D
Holiday Homework
Dissertation
Subject: Political Science
Session: 2025-2026

Title Page- Relevance of SAARC as a forum of Regional Cooperation

Acknowledgement

Table of Contents

Chapter I   Introduction

                Hypothesis- Relevance of SAARC as a forum of Regional Cooperation.

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

Chapter II   Origin of SAARC
                Member states, objectives, summits (any 5)

Chapter III   Challenges and Achievements

Chapter IV   Relevance of SAARC as a forum of Regional Cooperation

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: XI 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.
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)

2. **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 XI - 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 – C Shankar Rao - S Chand (Ref. Bk)

4. File is to be covered with black coloured paper and cellophane sheet over it.

STUDY 1- Children and Beggary

- What is beggary
- Types of beggary
- Factors responsible for beggary- economic causes, biological causes, sociological causes
- Students need to identify whom they are going to study and then gather their data –
- The student needs to write about: the age of the child who is begging
- Family background (members in the family /caste/class/ and religion)
- Level of education and whether they would like to go to school
- Whether they are migrants and why they have migrated
- The economic position of the family and what they earn
- How they spend their free time?

Conclusion

In conclusion, compare the situation of these children to their own urban advantaged upbringing and do a critique of the local government as well as a critical self-analysis.

- What are the ways to reduce beggary in India?
- Some measures we can take.

- Study should be supported by photographs.

Study 2 – Poverty and Crime

- What is poverty?
- Causes of poverty
- What is crime?
- Causes of crime
- Relationship between poverty and crime in India
- **CASE STUDIES**- 2 case studies on real life incident.
- Summary of the Government's legislations/bills on children- (to analyse how successful the Government's efforts have been at emancipating children).
- Conclusion of the Study.
- Study should be supported by photographs.

Girls' High School & College,Prayagraj
Class: XI-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) **Acknowledgemen**t – 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- For IT Act 2000,book –Cyber laws& Information Technology by Justice Jagdish Singh Khehar.

2nd Study- Gender justice by Subhash Chandra Singh,

4. File is to be covered with **"BROWN PAPER"** and cellophane sheet over it.

TOPIC –

(i) Cyber Crime in India : A study of Information and Technology Act 2000.

(ii) Legal challenges in achieving gender equality in India.