Holidays Homework
XII B 2025-26

As you step into the warmth of summer, take this time not only to relax and rejuvenate but also to reflect and grow. These holidays are a precious opportunity to balance rest with purpose. While you enjoy well-deserved breaks, remember that Class XII is a milestone year—each step you take now shapes the path to your future.

The homework you've been assigned is not just a task—it's a bridge connecting what you've learned to where you're headed. Use this time wisely to sharpen your skills, fuel your curiosity, and strengthen your foundation. Read, explore, write, and most importantly—learn something new every day.

Enjoy your holidays, and return refreshed and ready!

ACCOUNTANCY

1. Complete the assignment of the following chapters from the   question bank provided to you:

- Balance sheet schedule VI
- Analysis of Financial Statements
- Comparative and Common Size Statement
- Ratio Analysis
- Cash Flow Statement

2. Project Work: Financial Statement Analysis

As per CBSE guidelines, students are required to prepare a hand written comprehensive project on the financial statement analysis of a selected company for the year 2025-24 and 2023-24. The project should encompass:

 Company Profile: Introduction, board of directors, and company background.

1. Financial Statements: Collect and include the latest two years of consolidated financial statements, including the Profit & Loss account, Balance Sheet, and Cash Flow Statement.

2. Analysis Tools:
   *Comparative and Common Size Statements
   *Accounting Ratios
   *Cash Flow Analysis
   *Segment Analysis

3. Presentation: Use diagrams, charts, and bar graphs to illustrate findings.
4. Documentation: Include a front page, certificate, acknowledgement, index, prologue, and bibliography.
5. Companies: Take top 50 companies of NIFTY 50 according to your Roll NOs.

BUSINESS STUDIES

1. Complete the assignment of the following chapters from the   question bank provided to you:

 *Nature & Purpose of business

 *Principles of business

 *Business environment

 * Planning

2. Prepare the project as per the requirements of <u>CBSE final</u> <u>examination for 20 marks.</u> The project should be handwritten keeping in mind the guidelines and topics discussed. Each student has to select <u>one</u> topic out of the <u>four</u> given in the CBSE syllabus.

3.Make a note of key words given to remember the definitions in each chapter. Revise with the help of mind maps drawn for all chapters completed. This will help you to be confident that the entire chapter is covered.

ENGLISH

LITERATURE

Practice the Assertion reasoning questions . Do the case based and competency based questions given in the question bank for the following chapters in your English notebook.

The Last Lesson

Lost Spring

Deep Water

Indigo

The Rattrap

WRITING SKILLS

Practice the questions given in the question bank for the following topics:

Notice

Job application

……………………………………………

PAINTING

Theory

) Write an essay on the origin and development of Rajasthani School of Miniature Painting mentioning its Sub Schools.

A)How far has the painter been successful in justifying the aesthetical qualities of Radha (Bani- Thani)? Explain .

Q 2) During the Mughal period, which emperor was liberal in his religious beliefs, and his governing period was known as the "Golden Age for secular-themed paintings".

(Note - Written work to be done in copy)

Practical -

Everyone I hope you all are ready to discover your potential for creativity. Always feel confident and increase your observational and imaginative powers to develop skills for painting .

1) Painting composition-

Draw Imaginative painting based on subjects from life and nature in water colours ,poster colours or mix media with proper light and shade .

(NOTE - MINIMUM 3 HUMAN FIGURES AND THEIR ENVIRONMENT FOR EACH WORK)

Total - 6 works

2) Folk Art -

Create replica of any 2 Indian folk art paintings .

SUGGESTIONS - Madhubani Painting, GOND Painting, Kalamkari, Pattachitra, warli)

(Already discussed in class)

MATHEMATICS

1.Complete the assignment of the following chapters for the question bank provided to you:

       a. Relations and functions
       b. Inverse Trigonometry
       c. Matrices
       d.   Determinants
       e. Linear programming
       f. Probability

2. Complete the activities in your practical file which were conducted in the class as part of your practicals which carries 10 marks.

INFORMATICS PRACTICES

Practice Querying:

- Create a database with at least 3 tables that have relationships between them (e.g., Students, Courses, Enrollments; or Products, Categories, Orders). Populate these tables with sample data (at least 5-7 records in each).

- Write at least 10 different SQL queries to retrieve information from these tables. These queries should include:
  - Simple SELECT statements.
  - Using the WHERE clause with different operators.
  - Sorting the results using ORDER BY.
  - Using aggregate functions (COUNT, SUM, AVG, MIN, MAX).
  - Grouping data using GROUP BY and filtering groups using HAVING.
  - Joining data from multiple tables using INNER JOIN, LEFT JOIN, or RIGHT JOIN.

SQL Command Practice:

- Write the SQL commands to perform the following tasks on a sample database schema (you can create your own or use one from your textbook):
  - Create the tables with appropriate data types and constraints (like PRIMARY KEY, NOT NULL, UNIQUE, FOREIGN KEY).
  - Insert new records into the tables.
  - Update existing records.
  - Delete records based on certain conditions.
  - Add or remove columns from a table using ALTER TABLE.

HOME SCIENCE

1.Complete the assignment of the following chapters from the Question Bank provided to you:

I) Work, Livelihood and Career

II) Clinical Nutrition and Dietetics

III) Public Nutrition and Health

IV) Food Processing and Technology

v) Food Quality and Food Safety

vi) Consumer Protection and Education

2.Prepare the Practical file& Project file as per the requirements of final examination for 5 marks each. The practical file should be handwritten keeping in mind the guidelines and topics discussed already & given in class.

3.Make a note of key words given to remember the definitions in each chapter. Revise with the help of mind maps drawn for all chapters completed. This will help you to be confident that the entire chapter is covered.

ARTIFICIAL INTELLIGENCE

Students must choose one real-life problem and prepare a report following the AI Project Cycle as defined by CBSE.

·   Cover First Three Points Only(Title Of The Project, Problem Scoping And Data Acquisition)

📝 Report Format (CBSE-Suggested Format):

1. Title of the Project

- Creative name reflecting the problem.

2. Problem Scoping

- Define the problem clearly.
- Set goals and performance parameters.
- Identify stakeholders.
- List 4Ws (Who, What, Where, Why).

3. Data Acquisition

- Mention whether the data was collected (survey, forms) or sourced from the internet (Kaggle, UCI).
- Include sample entries.

4. Data Exploration

- Use basic data visualization (bar graph, pie chart).
- Describe patterns, trends, or correlations found.

5. Modelling (optional for basic projects)

- Apply a simple AI model (Decision Tree, Teachable Machine, etc.).
- Or describe a rule-based approach.

6. Evaluation

- Was the goal achieved?
- What are the limitations?
- Suggestions for improvement

📚 Example Topics:

Theme	Sample Project
Education	AI chatbot for exam tips
Health	Predicting mental stress from student survey
Environment	Suggesting eco-habits based on input
Smart Home	Voice-controlled light/AC simulation using Scratch or Python
Career	Career recommendation system
Disease Prediction System .	Predict diseases like diabetes or heart disease from symptoms or medical data
AI Plant Doctor .	Identify plant diseases from leaf images using image recognition
Biology Concept Tutor	An AI chatbot that answers class 12 biology

Bot	concept questions.
Habit Tracker for Health Monitoring	Use data input to track sleep, water intake, exercise & provide tips.

Instructions: Complete the following two points of your AI Project Report 1. Title of the Project

- Think of a real-life problem around you that can be solved using AI (examples: stress, pollution, career confusion, waste management, etc.).
- Create a creative title for your project that reflects the problem.

Example Titles:

- "MindEase: Student Stress Predictor"
- "GreenBuddy: AI Assistant for Eco-Friendly Habits"
- "CareerGuide: Smart Career Suggestion System"

✅ 2. Problem Scoping

Fill in the following sections:

a. Problem Statement

Write 2–3 lines explaining what the problem is and why it is important to solve.

b. Goals and Performance Parameters

What do you want your project to achieve?
 How will you measure its success?

c. Stakeholders

List the people who are affected by the problem or will benefit from your AI solution.

d. 4Ws (Fill this table):

4W	Answer
Who	(Who is facing the problem?)
What	(What exactly is the problem?)
Where	(Where is the problem seen? Home, school, city?)
Why	(Why is it important to solve this problem?)

3. Data Acquisition

Answer the following questions:

a. How will you get your data?

Choose one:

- Collected using a survey, Google Form, or interviews
- Taken from a public source (like Kaggle, UCI, etc.)

b. Describe the data briefly

- What kind of questions or data points are included?
- Add a small sample table (2-3 rows) showing what the data looks like.

Example:

Name	Sleep Hours	Mood Level (1–5)	Screen Time	Stress Level
A	5	2	6 hrs	High
B	8	4	2 hrs	Low

ECONOMICS

A) Complete the assignment of the following chapters from the Question Bank provided to you:
   ❖ Money and Banking
   ❖ National Income and Related Aggregates

B) Students are supposed to work on the project which is of 20 marks as a part of their final examination. The purpose of the project is to enable the student to understand the scope and repercussions of various economic events and happenings taking place around the country and the world. It also provide an opportunity to the learner to develop economic reason, Pros and cons of economic events and acquire analytical skills to observe and understand the economic events.

You can work upon the following framework:

1. Introduction

2. Details of the topic

3. Major criticism related to the topic

4. Students' own perception

Students may pick the topic of their own choice, but it should have an economic perspective. You should be capable to understand abstract ideas, exercise the power of thinking and to develop their own perception.

The project should be minimum of 35 pages and it

should be handwritten.

Class XII	
• Micro and Small Scale Industries	• Food Supply Channel in India
• Contemporary Employment situation in India	• Disinvestment policy of the government
• Goods and Services Tax Act and its Impact on GDP	• Health Expenditure (of any state)
• Human Development Index	• Inclusive Growth Strategy
• Self-help group	• Trends in Credit availability in India
• Monetary policy committee and its functions	• Role of RBI in Control of Credit
• Government Budget & its Components	• Trends in budgetary condition of India
• Exchange Rate determination – Methods and Techniques	• Currency War – reasons and repercussions
• Livestock – Backbone of Rural India	• Alternate fuel – types and importance
• Sarwa Siksha Abhiyan – Cost Ratio Benefits	• Golden Quadrilateral- Cost ratio benefit
• Minimum Support Prices	• Relation between Stock Price Index and Economic Health of Nation
• Waste Management in India – Need of the hour	• Minimum Wage Rate – approach and Application
• Digital India- Step towards the future	• Rain Water Harvesting – a solution to water crises
• Vertical Farming – an alternate way	• Silk Route- Revival of the past
• Make in India – The way ahead	• Bumper Production- Boon or Bane for the farmer
• Rise of Concrete Jungle- Trend Analysis	• Organic Farming – Back to the Nature
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

Students can make out a project on any of the current topic based on any of the economic issues i.e.

1. Effect of COVID-19 on Indian economic development

2. Foreign investment

3. Impact of GST

4. You can make out the project on any of the topic based on your topics in class XII

<u>FORMAT THAT CAN BE USED WHILE MAKING OUT THE PROJECT</u>
1. Collection of Data
2. Organisation of Data by grouping and sub grouping of data
3. Presentation of Data using tables, graphs and diagrams
4. Analysis of Data by taking its positives and negatives

Music
छुट्टी का गृहकार्य
हिंदुस्तानी गायन **(034)**
बारहवीं कक्षा
एक प्रोजेक्ट फ़ाइल बनाएँ
बोर्ड प्रैक्टिकल के अनुसार