

BIRLA SCHOOL, PILANI

Summer Vacation Home Assignment Session 2026-27 for Class XII

ENGLISH	<ol style="list-style-type: none">1. Prepare a short research project based on any one of the following topics:<ul style="list-style-type: none">• Do teens prefer books or web series, and why?• How do social media influencers affect teenagers?• What does success mean to today's youth?• What are the main causes of stress in student life?• How is teen life shown in literature and films?2. Guidelines:<ul style="list-style-type: none">• Select any one topic from the list.• Conduct research by:<ul style="list-style-type: none">• Taking interviews• Listening to podcasts/interviews• Watching relevant radio or TV documentaries• Frame a set of questions based on the chosen topic.• Analyse the responses and prepare a report either supporting or opposing the views gathered.3. Write a report of 800–1000 words4. Submit the project on shivani030246@birlaschoolpilani.edu.in5. Project Portfolio Must Include:<ul style="list-style-type: none">• Cover Page (Title, student details, school details)• Statement of Purpose / Objectives• Certificate of Completion (under teacher's guidance)• Action Plan for completing the project• Supporting Materials, such as:<ul style="list-style-type: none">• Questionnaires• Interview transcripts• Survey reports / written responses• Scripts (if any role play is included)• Main Report (800–1000 words)• Student/Group Reflection• Photographs (if available, showing project work)• Bibliography / List of Resources
MATHEMATICS	<ul style="list-style-type: none">• Solve the previous year board questions from Chapters 1, 2, 3, and 4 for the years 2022, 2023, 2024, 2025, and 2026.• Solve 20 MCQs from each chapter (Chapters 1–4).• Design and solve two original case studies for each chapter.
MUSIC	Submit a well-researched project on Hindustani Classical Singers. (The list of singers has already been provided in class.)
AI	<p>Project Title: <i>AI Capstone Project – Real World Problem Solving</i></p> <p>Students of Class 12 will work in teams to design and develop a complete AI-based solution for a real-world problem. The project</p>

should demonstrate creativity, teamwork, research skills, and practical implementation of Artificial Intelligence concepts learned during the academic session.

Each team may consist of **5–7 members**. Every team must appoint a **Team Leader** who will be responsible for:

- Regular communication with the teacher mentor
- Submission of project updates and reports
- Coordinating team meetings and task distribution
- Presenting the final project demonstration

Students are encouraged to select projects connected to:

- Smart Environment
- Healthcare
- Education
- Waste Management
- Agriculture
- Accessibility
- Safety and Security
- Sustainable Development Goals (SDGs)

Suggested Project Ideas

- AI-based Attendance System
- Smart Waste Segregation using Image Classification
- Fake News Detection
- AI Chatbot for School Helpdesk
- Emotion Detection System
- Road Safety Monitoring using AI
- AI Fitness or Diet Recommendation System
- Crop Disease Detection Model

Project Expectations

Each team should complete:

1. Problem Identification
2. Research and Data Collection
3. AI Model / Prototype Development
4. Testing and Improvements
5. Final Documentation
6. Presentation and Viva Demonstration

Submission Components

- Project Report
- Source Code / Model Files
- PPT Presentation
- Demo Video or Live Demonstration

	<ul style="list-style-type: none"> • Team Contribution Details <p>Students are advised to take guidance and inspiration from the official CBSE AI Project resource:</p> <p>CBSE AI Projects Cookbook (Classes XI & XII)</p>
ACCOUNTANCY	<p>This assignment is designed to improve your analytical ability, presentation skills, conceptual clarity, and real-life understanding of Partnership Accounts.</p> <p>Learning Objectives</p> <ul style="list-style-type: none"> • Develop conceptual understanding of Partnership Fundamentals. • Apply accounting principles in practical business situations. • Improve journal entry and ledger preparation skills. • Enhance presentation and analytical skills. • Connect accountancy concepts with real-life business practices. <p>General Instructions</p> <ol style="list-style-type: none"> 1. Complete the assignment in an A4 size project file. 2. Use blue/black pen for writing and pencil for formats. 3. Attach supporting charts, illustrations, and newspaper clippings wherever required. 4. Maintain proper headings, subheadings, and presentation. 5. Submission must include a cover page and index. <p>Activity 1: Partnership Deed Exploration (5 Marks)</p> <p>Prepare a creative chart/project explaining at least ten important clauses of a Partnership Deed. Use examples and illustrations to explain how each clause affects partners.</p> <p>Activity 2: Real-Life Business Survey (5 Marks)</p> <p>Visit or interact with a local partnership business such as a medical store, coaching institute, café, or trading firm. Collect information regarding:</p> <ul style="list-style-type: none"> • Name and type of business • Number of partners

- Profit-sharing ratio
- Roles and responsibilities of partners
- Advantages and challenges of partnership business

Present your findings creatively with pictures or diagrams.

Activity 3: Accounting Practice (10 Marks)

Pass Journal Entries and prepare necessary accounts for the following:

A, B, and C are partners sharing profits in the ratio of 3:2:1.

Their capitals on 1 April 2026 were ₹1,20,000, ₹90,000, and ₹60,000 respectively.

Interest on capital is allowed @ 8% p.a.

Drawings during the year were ₹12,000, ₹9,000, and ₹6,000 respectively.

The firm earned a net profit of ₹1,80,000 before charging interest on capital.

Prepare:

- Profit and Loss Appropriation Account
- Partners' Capital Accounts

Activity 4: Case Study Analysis (5 Marks)

Read about any famous business partnership in India and write a brief report covering:

- Background of the business
- Role of partners
- Reasons for success/failure
- Lessons learned from the partnership model

Activity 5: Creative Financial Awareness Task (5 Marks)

Design an infographic/poster on the topic:

“Why Partnership Business is Important for the Indian Economy”

Use statistics, slogans, diagrams, and examples.

Suggested Viva Questions

- Why is a Partnership Deed important?

	<ul style="list-style-type: none"> • What is meant by interest on capital? • Differentiate between fixed and fluctuating capital accounts. • What is the significance of profit-sharing ratio? • Why are drawings charged with interest? <p>Evaluation Criteria</p> <p>Criteria Marks</p> <p>Presentation & Creativity 5</p> <p>Conceptual Accuracy 10</p> <p>Practical Application 5</p> <p>Timely Submission 5</p> <p>Neatness & Organization 5</p>
BUSINESS STUDIES	<ul style="list-style-type: none"> • Visit any company, collect information and working style and submit in a file. • Prepare Project File on Stock Exchange or any topic of business Studies. Submit the Project in a file.
ECONOMICS	<ul style="list-style-type: none"> • Prepare a Project file on any topic of Economics. Submit it in a file. • Collect Various information relating to National Sample Survey Office (NSSO) regarding livestock in India and submit in a separate notebook.