

DDMS P OBUL REDDY PUBLIC SCHOOL  
HOLIDAY HOMEWORK. CLASS XII 2025-26

Subject	Topics												
English	<div><div>A Language Tree</div><div>(Based on <i>The Last Lesson</i> by Alphonse Daudet)</div><div>Project Objective:</div><div>To visually and symbolically represent the emotional, cultural, and historical impact of <b>language loss</b> in <i>The Last Lesson</i>, using the metaphor of a <b>tree</b>. Students will connect <b>each part of the tree</b> to the story’s characters, themes, setting, and literary elements — while reflecting on the deeper meaning of language and identity.</div><div>Concept Structure:</div><div>Each part of the tree symbolizes a key element of the story. Students have to create the tree <b>digitally</b>, and annotate each part with <b>quotes, explanations, and symbols</b>.</div><div>Tree Parts &amp; Literary Connections:</div><table><thead><tr><th>Part of Tree</th><th>What it Represents</th><th>What to Include</th></tr></thead><tbody><tr><td><b>Roots</b></td><td>The history, tradition, and depth of the French language in Alsace</td><td><div>- Cultural significance of French</div><div>- Quotes about tradition</div><div>- Reference to the village's past</div></td></tr><tr><td><b>Trunk</b></td><td>M. Hamel – the strength and support system for the language</td><td><div>- Quotes showing his pride and regret</div><div>- Symbol of teaching/discipline</div><div>- Use of metaphor: "pillar" of language</div></td></tr><tr><td><b>Branches</b></td><td>The villagers and Franz – how they connect to the language</td><td><div>- Emotional reactions</div><div>- Quotes from Franz’s narration</div><div>- Describe changing attitudes</div></td></tr></tbody></table></div>	Part of Tree	What it Represents	What to Include	<b>Roots</b>	The history, tradition, and depth of the French language in Alsace	<div>- Cultural significance of French</div> <div>- Quotes about tradition</div> <div>- Reference to the village's past</div>	<b>Trunk</b>	M. Hamel – the strength and support system for the language	<div>- Quotes showing his pride and regret</div> <div>- Symbol of teaching/discipline</div> <div>- Use of metaphor: "pillar" of language</div>	<b>Branches</b>	The villagers and Franz – how they connect to the language	<div>- Emotional reactions</div> <div>- Quotes from Franz’s narration</div> <div>- Describe changing attitudes</div>
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<b>Leaves</b>	Knowledge, identity, and cultural pride	<ul style="list-style-type: none"> <li>- Use of metaphor: “leaves of identity”</li> <li>- Each leaf can represent a word, memory, or symbol from the story</li> </ul>
<b>Falling Leaves</b>	The impact of language loss	<ul style="list-style-type: none"> <li>- What is lost: memory, voice, culture</li> <li>- Visual of leaves drifting away</li> <li>- Optional: include French words fading</li> </ul>
<b>Buds</b>	Hope, resistance, revival	<ul style="list-style-type: none"> <li>- A leaf or bud showing the survival of the language</li> <li>- Quote or student’s own reflection on language preservation</li> </ul>

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#### How to Create the Tree:

- Use **Canva**, **Google Slides**, **PowerPoint**, or **Genially**
- Add **text boxes** to explain each part
- Use visual elements like falling leaves, clouds, etc.

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#### Written Reflection (Compulsory):

At the bottom or on a second page/slide, students must answer:

1. What does each part of your tree represent in the story?
2. What message does your tree convey about the power of language?
3. What did you realize about language, culture, or identity through this story?

**Note:** It’s an individual project.

**Last date of Submission:** 12<sup>th</sup> June 2025 on Google Classroom

<p><b>Maths(041)</b></p>	<p><b>Write about Linear Programming Problem. Explain its importance and all the terms involved in it. Describe various steps in optimization. Describe various fields of its application in real life.</b></p> <p><b><u>CASE STUDY</u></b></p> <p>Visit your nearest Bakery and collect the information about two different items (Ex. Cakes and Puffs). Convert the data into LPP, solve it and get the optimum solution.</p> <p><b>Guidelines for the project:</b></p> <ol style="list-style-type: none"> <li>1. Cover page</li> <li>2. Acknowledgement</li> <li>3. Index</li> <li>4. Introduction to the project</li> <li>5. Objective or the purpose of the project.</li> <li>6. Conclusion</li> </ol> <p><b>MARKING SCHEME:</b></p> <p>Theory Part – 5 MARKS</p> <p>Case Study Part – 5 MARKS</p> <p><b>SUBMISSION DATE – 12TH JUNE, 2025</b></p>
<p><b>Applied maths (241)</b></p>	<p><b>Write about Linear Programming Problem. Explain its importance and all the terms involved in it. Describe various steps in optimization. Describe various fields of its application in real life.</b></p> <p><b><u>CASE STUDY</u></b></p> <p>Visit your nearest Bakery and collect the information about two different items (Ex. Cakes and Puffs). Convert the data into LPP, solve it and get the optimum solution.</p> <p><b>Guidelines for the project:</b></p> <ol style="list-style-type: none"> <li>1. Cover page</li> </ol>

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Physics	<p><b>1.Worksheet on Electric charges and fields.(Posted in the google classroom)</b>  <b>Do the worksheet on A4 size papers and submit on 12<sup>th</sup> June 2025</b></p> <p><b>2.Investigatory Project</b>  1.Collect information regarding the Investigatory Project on any topic of your choice in Physics under the following headings and make a file on A4 size papers with print.  a)Title of the Project b) acknowledgement c) Certificate d)Objective/Purpose/Aim   e)Introduction/Theory f)Materials Required   g)Method/Procedure h)Observations   i)Conclusion/Result j)Applications   j)References/Bibliography</p> <p><b>Suggested Investigatory Projects</b></p> <ol style="list-style-type: none"> <li>1. To study various factors on which the internal resistance/EMF of a cell depends.</li> <li>2. 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.</li> <li>3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.</li> </ol>

	<p>4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.</p> <p>5. 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.</p> <p>6. 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.</p> <p>7. 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.</p> <p>8. To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.</p> <p><b>NOTE:</b> The above projects are suggested only. You can choose any other project of your choice.</p> <p>Better to choose a concept or topic with a working model.</p>
<b>Chemistry</b>	<p><b>Topics:</b> 1) INVESTIGATORY PROJECT (rough draft). Min. number of pages: 10 (excluding cover page, certificate page, acknowledgement, bibliography)</p> <p>2) Record work: Salt analysis of 6 given salts in the record note book.</p> <p><math>(\text{NH}_4\text{Cl}, \quad \text{Pb}(\text{NO}_3)_2, \quad \text{Al}_2(\text{SO}_4)_3,</math>  <math>\text{ZnCO}_3, \text{Ba}(\text{NO}_3)_2, \text{SrCl}_2)</math></p> <p>3) Solve the worksheet posted in Google class room.</p> <p><b>Learning objectives:</b> Students will be able to design and carry out scientific experiments as well as accurately record and analyse the results of such experiments.</p> <p><b>Rubrics:</b></p> <p>Creativity: 5 marks</p> <p>Content: 5 marks</p> <p>Presentation: 5 marks</p> <p>Date of submission: <b>14 th June 2025.</b></p>

<b>Biology</b>	<p><b>Investigatory projects:</b></p> <p>IPs are part of obligatory assignment involving purely experimental procedures so that you report on, duplicate, or adapt something that someone else has already discovered. It may involve some other form of investigation also. For example, you may undertake to investigate the richness and patterns of biodiversity (flora and fauna) in your school campus and prepare a mural of it or to investigate the effects of physical fitness on your pulse rate.</p> <p><b>A format, such as given below, can be followed.</b></p> <p>(i) Title of the investigatory project: Write the title of the project, for example, 'Inheritance pattern of eye colour'.</p> <p>(ii) Aim &amp; Objectives: Express as clearly as possible the effect of one variable that the experiment is designed to investigate.</p> <p>(iii) Materials needed: This might be just a list, or a diagram if a particular piece of apparatus was used.</p> <p>(iv) Method: Describe the procedure stepwise including the precautions taken, if any.</p> <p>(v) Result: A suitable chart or table for recording and organising your readings or measurements should be made out before you start the experiment.</p> <p>(vi) Analysis and interpretation: Observation data are factual, and may not be as expected by you.</p> <p>(vii) Discussion: Discuss briefly the implication of your results and suggest extensions of any kind that can be undertaken.</p> <p>(viii) Conclusion: In view of the results obtained and related work done on the topic of the project, write the conclusion briefly.</p> <p>(ix) References: Any work related to the project which you have come across through books/articles or any other source should be written as reference, for example: Michael Michalco (2001), Cracking Creativity, Berkeley, Ten Speed Press.</p> <p>This write up accentuates the spirit of enquiry and investigation in young minds.</p>				
<b>Accountancy</b>	<p>Students should complete the following class XII Accountancy project.</p> <p>1. Specific project I – Accounting Ratios of allotted company to students (Refer Google classroom for the companies allotted).</p> <table border="1" data-bbox="407 1520 1409 1787"> <tr> <td data-bbox="407 1520 493 1640">1</td><td data-bbox="493 1520 1409 1640">“Specific project I – Accounting Ratios”</td></tr> <tr> <td data-bbox="407 1640 493 1787">2</td><td data-bbox="493 1640 1409 1787">Write accounting ratios – meaning, objectives, advantages and limitations, types of ratios.</td></tr> </table>	1	“Specific project I – Accounting Ratios”	2	Write accounting ratios – meaning, objectives, advantages and limitations, types of ratios.
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Business studies	<p><b><u>Project Guidelines:</u></b></p> <ol style="list-style-type: none"> <li>1. Leave the margin at least 1 Inch. Since it is a draft project, you can use A4 sheets white papers. Final Project should be on A4 sheets colour /white (ruled or plain).</li> </ol>						

	<p>2. Project should be completed with the student's own handwriting only. Taking help from parents or others is strictly forbidden, if it's found, the student should write the project with his/her hand writing again.</p> <p>3. Date of project draft submission is on reopening day in June 2025.</p> <p>4. Max.marks for the draft project is 10.</p> <p>5. Please refer to Google classroom for Project details and guidelines.</p>
<b>Sociology</b>	<p>The project must involve actual first-hand research done by each student in close consultation with the teacher over the duration of the academic year.</p> <ul style="list-style-type: none"> <li>• The actual timing of the project can be decided by the teacher.</li> </ul> <p><b><u>• PREPARATION AND SUBMISSION OF PROJECT REPORT :</u></b></p> <ul style="list-style-type: none"> <li>• At the end of the stipulated term, each student will prepare and submit her/his project report.</li> <li>• Each report must fulfill the following requirements: <ul style="list-style-type: none"> <li>• 1. The body of the Project Report will be of approximately 20-25 A4 Pages excluding additional appendices, questionnaires etc.</li> <li>• 2. The project report will be written in the student's own hand, though they may include other illustrative material that is not hand - written.</li> </ul> </li> </ul> <p><b><u>TOPICS :</u></b></p> <ul style="list-style-type: none"> <li>•The Flexible Trap: Family Life under Industrial Discipline and Gig Economy Promises</li> <li>•The Feminist Movement and Social Change in Contemporary India</li> <li>•Impact of Modernization: Indian society and Youth</li> <li>•The role of language in shaping regionalism and cultural diversity among teenagers in India, focusing on language preferences, slang, and multilingualism</li> <li>•Colonial Impact Today: Westernisation and its impact on changing youth culture in India</li> <li>•Myth vs Reality: Status of transgenders and non-binary communities in India</li> <li>•The Influence of Indian Cinema on Gender Norms and Feminism</li> <li>•Margins of Progress: Tribal vs National Development</li> <li>•Media-Led Modernity: How Mass Media is shaping religious identity and political ideologies</li> <li>•Shifting Vows: The Evolution of Courtship and Marriage in India</li> <li>•Faith to Fame: How Secularisation and Pop Culture Reframe Belief and Politics</li> <li>•Why do only women quit? Caregiving and its impact on women's careers</li> <li>•Freebies and Welfare Schemes: The difference and their impact on the Indian demographic (special emphasis on birth and death rates)</li> </ul>



	<p>•Disabilities in India: Awareness, Normalisation, and Integration into society</p> <p><b><u>Guidelines for the project: Choose any 1 topic from the following :</u></b></p> <ul style="list-style-type: none"> <li>● Introduction to the project</li> <li>● Statement of the purpose</li> <li>● Hypothesis</li> <li>● Methodology</li> <li>● Questionnaire (20 close ended)</li> </ul> <p>10 MARKS SUBMISSION DATE – On or Before 13TH JUNE, 2025</p>
Political science	<p><b>Write up on the following topics:</b></p> <ol style="list-style-type: none"> <li>1. Three challenges faced by India after independence to form the nation.</li> <li>2. Flow chart of Partition saga.</li> <li>3. Mention steps of reorganization of states from independence to present.</li> </ol>
Computer science	<p><b>Python and My SQL Connectivity Project Work</b></p> <p>The aim of the project is to create something that is tangible and useful using Python and My SQL connectivity with Insert, Update, Delete, Search and Display Operations. The aim here's to find a real world problem that is worthwhile to solve.</p> <p><b>For Example:</b> Database Name: School, Table Name: Student</p> <p><b>Table Attributes:</b>  adm_no int NOT NULL Primary Key  name varchar(32) NOT NULL  class int NOT NULL  mobile_no varchar(10) NOT NULL  email_id varchar(32) NOT NULL</p> <p><b>Required Operations:</b>  <b>Insert :</b> To insert a new record in to the Student table  <b>Update :</b> To update an existing record based on the adm_no  <b>Delete :</b> To delete an existing record based on the adm_no  <b>Search :</b> To search for a particular record based on the adm_no  <b>Display :</b> To display all the records</p> <p><b>Upload the Project Documentation Word File, PDF File and .py file in Google Classroom</b></p>
Physical education	<p><b>MARKS-20</b>  <b>Project I</b>  Discuss about the physical exercises as corrective measures for Kyphosis, Lordosis and Spinal curvature (Mention any 5)</p>

	<p><b>Project II</b></p> <p>Imagine your school is organising a 'Run for Unity' and you have been made in-charge of planning and the proper conduct of the event.</p> <p>Compile the responsibilities of pre, during and post committees.</p> <p><b>GUIDELINES</b></p> <p>Both the projects are compulsory. Each carries 10 marks.</p> <p>Use A4 size sheets only.</p> <p>The project could be in 15 – 20 pages(Max)</p> <p>Must be hand written only</p> <p>Must include a creative cover page and Index.</p> <p>Hard copies in File/Folders</p> <p>Innovation and Creativity also carries marks</p> <p>-----END-----</p>
Psychology	<p><b><u>Theoretical Research on Psychological Disorders: Guidelines and Requirements:</u></b></p> <p>As part of our case study orientation, students are expected to conduct theoretical research on assigned topics related to psychological disorders. The objectives of this research are:</p> <ul style="list-style-type: none"> <li>- To gather information from various resources, including reference books, research papers, articles, and online materials.</li> <li>- To develop a comprehensive understanding of the selected psychological disorder.</li> </ul> <p><b><u>Research Requirements:</u></b></p> <ol style="list-style-type: none"> <li>1. Introduction to the topic, including its history and background.</li> <li>2. Causes and aetiology of the disorder, including genetic and environmental factors.</li> <li>3. Signs and symptoms of the disorder.</li> <li>4. Risk factors associated with the disorder.</li> <li>5. Treatment modalities, including medication, therapeutic techniques, and their effectiveness.</li> </ol> <p><b><u>Important Note:</u></b> Guidelines, checklists, and topic assignments are available on Google Classroom. Students are requested to check the classroom for further details</p>

	<b>and instructions.</b>
<b>Legal studies</b>	Meaning scope of Writ jurisdiction and their impact on the Indian legal system. Understand the usage of it and examples Or real cases that involves the writ jurisdiction under Article 32 of the Constitution of India
<b>Economics</b>	<p><b>The objectives of the project work are to enable students to:</b></p> <ul style="list-style-type: none"> <li>● probe deeper into theoretical concepts learnt in class XII</li> <li>● analyses and evaluate real world economic scenarios using theoretical constructs and demonstrate the learning of economic theory</li> <li>● follow up aspects of economics in which learners have interest, develop the communication skills to argue logically</li> </ul> <p><b><u>The expectations of the project work are that:</u></b></p> <p>Students may work upon the following lines as suggested flow chart:</p> <ul style="list-style-type: none"> <li>● Choose a title/topic</li> <li>● Collection of the research material/data</li> <li>● Organization of material/data Present material/data</li> <li>● Analyzing the material/data for conclusion</li> <li>● Draw the relevant conclusion Presentation of the Project Work</li> </ul> <p><b><u>Expected Checklist by the students:</u></b></p> <ul style="list-style-type: none"> <li>● Introduction of topic(include objective of the topic)</li> <li>● Hypothesis</li> <li>● Details of the topic</li> <li>● Presentation of Evidence</li> <li>● Prepare questionnaire</li> <li>● Data analysis</li> <li>● Impact on the Indian economy</li> <li>● Advantages/Pros of the economic event or happening</li> <li>● Disadvantages/Cons of the economics event or happening</li> <li>● Major criticism related to the topic if any</li> <li>● Government steps or initiative</li> <li>● Social Media buzz Media coverage (Articles in print media)</li> </ul>

	<ul style="list-style-type: none"> <li>● Students' own views or perceptions or opinion from the learning or the work Identifying the causes, consequences and/or</li> <li>● Remedies of various stakeholders and effect on each of them</li> <li>● Short-term and long-term implications of economic strategies suggested in the course</li> <li>● Validity, reliability, appropriateness and relevance of data used for presentation in the project file</li> <li>● Presentation and writing that is succinct and coherent in project file</li> <li>● Conclusion</li> <li>● Citation of the materials referred to, in the file in footnotes,resources section, bibliography etc.</li> </ul> <p><b><u>TOPICS FOR THE PROJECT:</u></b></p> <ol style="list-style-type: none"> <li>1. FMCG goods and their buying trends in the last 5 years.</li> <li>2. Women entrepreneur and its changing role.</li> <li>3. Recent start-ups and impact on the economy.</li> <li>4. Food habits with the changing Times.</li> <li>5. Recent situation of employment or migration.</li> <li>6. Emerging MNCs in India.</li> <li>7. Impact of rising petroleum prices in India economy.</li> <li>8. Role of banking sector on the growth of e-commerce business.</li> <li>9. Changing trends of consumer spending patterns in recent times.</li> <li>10. The Rythu Bandhu scheme by Telangana government is boon or Bane for the agricultural sector.</li> </ol> <p>List of more topics will be shared in your respective class whatsapp groups.</p>
Entrepreneurship	<p><b>General Instructions:</b></p> <p>The activity to be completed by each student during the vacation itself.</p> <p><b>PROJECT WORK</b></p> <ul style="list-style-type: none"> <li>· Do the Entrepreneurship project on Market Survey as per CBSE curriculum guidelines (2025-26) and for reference a sample copy has been forwarded in what's app group.</li> <li>· The file carries a weightage of 10 marks in the final exam.</li> <li>· The project must be neat and well-presented and must be completely handwritten.</li> </ul>

	<ul style="list-style-type: none"> <li>· No whiteners to be used or written matter to be crossed out. In case of any mistakes, redo the sheet.</li> </ul> <p>The total length of the project will be of 30 to 35 pages.</p> <p><b>Submit on the re-opening day.</b></p>
<b>Home science</b>	<p><b>TOPIC:</b> Market survey of any five processed foods, their packaging and label information.</p> <p><b>Purpose of the Project:</b></p> <p>It is intended to familiarize students with the variety of processed foods available in the market, create awareness about the different types of packaging materials for processed foods and to generate interest in the study of label information.</p> <p><b><u>A) Visit a market and collect information on the following:</u></b></p> <p><b>Cereal Foods</b> like Breakfast foods, noodles, Atta, etc.</p> <p><b>Diary Products:</b> Milk, Cheese, Butter, Ghee, Ice –Cream etc.</p> <p><b>Preserves:</b> Jams, Pickles, squashes, ketchup, sauces etc.</p> <p><b>Snacks:</b> Chips, Bhujias, Biscuits etc.</p> <p><b>Nutrition Supplements:</b> Complan, Bournvita, Horlicks, Milo, Boost and other branded Products</p> <p><b>Beverages:</b> fruit juices, carbonated soft drinks, bottled water</p> <p><b>NOTE: FIVE PRODUCTS IN EACH CATEGORY GIVEN ABOVE.</b></p> <p><b><u>(B) Note the Packaging material used for these products.</u></b></p>

I. Make a table comparing the types of Packaging materials used for different types of food. (as per the tabular columns given in the textbook)

II. From the collected information point out the relative Merits and Demerits of the different packaging materials.

III. THE ABOVE PROJECT NEEDS TO BE MADE IN A PORTFOLIO STYLE.

(ONE IDEA IS REPRESENTED HERE.)

IV. [https://www.youtube.com/watch?v=lnhtm\\_50Ou4](https://www.youtube.com/watch?v=lnhtm_50Ou4)

**RUBRICS FOR ASSESSMENT OF HOLIDAY HOMEWORK:**

1. Selection of the Processed Food Products in each category.(5 in each category mandatory)  
2.5 marks

2. Filling up all the information in tabular format. 4 marks

3. Analysing the Merits and Demerit 2 marks

4. Creativity, Neatness, and Authentication (Picture showing that you are doing this study in school uniform.) 1 mark

5. Submission On time 0.5 mark

**Total Marks: 10**

**INSTRUCTIONS:**

1. Authentication (Photograph) mandatory

2. Maximum Number of coloured Ruled A4 size paper is 20 pages.

3. Neat Work and Submission on Time

4. The holiday homework needs to be submitted on the school Re-Opening Day itself after the

	Summer Vacation
HPE	<p><b>CLASS – IX TO XII (ALL STUDENTS)                      MARKS – 20</b></p> <p><b>Project I</b> Write history of yoga? What is the importance of yoga in human life?</p> <p><b>Project II</b> Draw neat diagram of Athletic Track and explain about Throw events.</p> <p><b>GUIDELINES</b> Both the projects are compulsory. Each carries 10 marks. Write in Health and Physical Education Activity and project record book only. The projects (2) could be in 8 pages(Max) Must be hand written only Must include a creative pages and Index. Innovation and Creativity also carries marks</p>