



## Homework for Summer Vacation (2026-27)

### General Instructions:

- > Activities / Project work should be done as per the instructions. Given subject wise. (Use A3/A4 size sheets for activities)
- > Holiday Homework will be assessed as Subject Enrichment Activity (SEA). Make sure that you complete the assigned Holiday Homework in homework copy (Subject wise) and submit it on time.
- > Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- > Holiday Homework should be submitted latest by 3rd July 2026. It must be labelled properly with the name, class and roll number of the child.
- > Originality of the work will be appreciated.
- > Encourage your ward to converse in English as a regular practice during holidays to enhance communication.

### NOTICE FOR SUMMER VACATION (For Class IX to XII)

- 1- Summer Holidays- 25/05/2026 to 18/06/2026
- 2- School Re-opens on- 19/06/2026 (Friday)
- 3- Timing on 19/06/2026- 8:00 am to 12: 45 pm
- 4- Completing Holiday Homework is mandatory for all students.
- 5- 1<sup>st</sup> PTM- On 24/05/2026 (Sunday) Timing-9:00 am to 12:00 noon.

## Class-X

Subject	Contents
<b>Hindi</b>	<ol style="list-style-type: none"> <li>1. निम्नलिखित दिए गए विषयों पर 120 शब्दों में अनुच्छेद लिखिए:- a. समय का सदुपयोग      b. गांव व शहरों की समस्याएँ</li> <li>2. अपने मोहल्ले में फैली गंदगी से पैदा होने वाली समस्याओं को बताते हुए नगर पालिका अधिकारी को औपचारिक पत्र लिखिए।</li> <li>3. आपका छोटा भाई पढ़ाई में पूरा मन नहीं लगता अतः अपने छोटे भाई को मन लगाकर पढ़ने की सलाह देते हुए एक अनौपचारिक पत्र लिखिए।</li> <li>4. पेड़- पौधे के अनियंत्रित कटाव को रोकने के लिए जिला अधिकारी को ईमेल लिखिए।</li> <li>5. आप राजन/ रजनी हैं। अपने बैंक खाते में नेट बैंकिंग की सुविधा प्राप्त करने के लिए संबंधित शाखा प्रबंधक को लगभग 80 शब्दों में एक ई-मेल लिखिए।</li> </ol>
<b>English</b>	<p><b>Read the following Chapters and write in your Project File*</b></p> <ol style="list-style-type: none"> <li>1. About the Author</li> <li>2. Chapter Sketch</li> <li>3. About the Character(s)</li> <li>4. Summary of the Chapter</li> <li>5. Message of the Chapter</li> <li>6. Literary Devices use</li> </ol> <p><b>*Grammar*</b></p> <ol style="list-style-type: none"> <li>1. Rules of Subject- Verb Agreement</li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Chapter's Name</p> <ol style="list-style-type: none"> <li>1. A Letter to God</li> <li>2. Dust of Snow</li> <li>3. Fire and Ice</li> <li>4. A Triumph of Surgery</li> </ol> </div>
<b>Mathematics</b>	<ol style="list-style-type: none"> <li>1) Define FTA, LCM and HCF with example</li> <li>2) Write and learn the relation between LCM and HCF between two numbers</li> <li>3) Prove <math>\sqrt{2}, \sqrt{3}, \sqrt{5}</math> and <math>2+3\sqrt{5}</math> is irrational number.</li> <li>4) Find the zeroes of <math>X^2-5X+6</math> and verify the zeros by using relationship between zeros and coefficients.</li> <li>5) How many real zeros is possible for quadratic polynomial at most? And how many zeros is possible for quadratic polynomial exactly?</li> </ol>

	<p>6) How many situations are possible of real zeros for quadratic polynomial, show by graph? Do Ex2.1 NCERT</p> <p>7) Solve 2A,2B ,2C and 3A from reference book ( RS Aggarwal)</p>
<b>Science</b>	<p><b>Biology</b></p> <ol style="list-style-type: none"> <li>1. Solve N.C.E.R.T intext question and exercise question of life Processes. (Nutrition, Digestion, Respiration)</li> <li>2. Solve PYQ on Nutrition and it's types, Digestion, Respiration.</li> <li>3. Make the following diagram on A-4 sheet and do not labell it only you have to mark it? <ol style="list-style-type: none"> <li>1. STOMATA    2. DIGESTIVE SYSTEM    3. RESPIRATORY SYSTEM</li> <li>4. EXCRETORY SYSTEM    5. CIRCULATORY SYSTEM</li> </ol> </li> </ol> <p><b>Chemistry</b></p> <p>1-Worksheet:-(a) Define a chemical reaction. Mention any 3 signs that show a chemical reaction has occurred.</p> <p>(b) Write balanced chemical equations for the followings –</p> <ol style="list-style-type: none"> <li>(i) Magnesium burns in air</li> <li>(ii) Zinc reacts with hydrochloric acid</li> <li>(iii) Decomposition of lead nitrate</li> </ol> <p>(c) Why does distilled water not conduct electricity whereas rainwater does?</p> <p>(d) Explain electrolysis of water with diagram.</p> <p>2-Research/Lab activities: -</p> <ol style="list-style-type: none"> <li>(a) Collect three examples of exothermic &amp; endothermic reaction from daily life. Mention whether each is a physical or chemical change.</li> <li>(b) Perform a test using turmeric to check acidic/basic nature of lemon juice, soap water &amp; baking soda. Write your observations.</li> </ol> <p><b>1- PHYSICS PROJECT</b></p> <p><b>Topic: Light – Reflection</b></p> <ol style="list-style-type: none"> <li>2- Differentiate between concave and convex mirrors.</li> <li>3- Explain the sign convention used for mirrors.</li> <li>4- What is the mirror formula?</li> <li>5- Write two uses of concave mirror.</li> <li>6- Write two uses of convex mirror.</li> <li>7- Draw all ray diagram concave mirror and convex mirror.</li> </ol>
<b>Computer Science</b>	<ol style="list-style-type: none"> <li>1. Explain three internet services (email, WWW, FTP) with one example each.</li> <li>2. List and explain five cyber-safety rules for students.</li> <li>3. Describe client-server architecture in 4–5 lines.</li> <li>4. Explain HTTP and HTTPS and why HTTPS is important for websites.</li> </ol>
<b>Social Science</b>	<p><b>Project Work (15-20 Pages - Topic Examples):</b></p> <ol style="list-style-type: none"> <li>1. Consumer Awareness: Create a project file covering consumer right, consumer Preaution acts, and a case study on consumers.</li> <li>2. Sustainable Development Research the concept, historical initiatives (like Rio Earth Summit), and local initiatives to conserve resources.</li> <li>3. Map Work (Geography): Locate and label major soil types of India on a political map.</li> <li>4. 1-Mark Questions: Prepare 10 one-word/one-sentence questions and answers for each completed lesson.</li> <li>5. Revision: Complete all pending classwork and homework notebook entries.</li> </ol>