

Academic Enrichment : Holiday Homework

2026-27

Class X



Theme: Viksit Bharat

HOLIDAY HOMEWORK	
SESSION-2026-27	
CLASS - X	
<p>Warm Greetings! Summer vacation is the most awaited time of the year for children. To ensure that the holidays are enjoyable as well as productive, activity based homework and projects on the theme 'Viksit Bharat' have been assigned. Stay Safe and Stay Healthy! Regards SAM Team</p>	
<p>General Instructions:</p> <ol style="list-style-type: none"> All work should be done exclusively by the students. You may take guidance from your parents, but take the lead and complete the work yourself. Original work of students will receive greater recognition and appreciation. The project work should be completed according to the following roll numbers: <ul style="list-style-type: none"> Roll No- 1 to 12 :- English & Maths Roll No- 13 to 24 :- Hindi & Science Roll No- 25 onwards :-SST & IT (Note: Each student to submit project work of two subjects as mentioned above) Date of submission of Project Work: July 2, 2026 	
SUBJECT	HOLIDAY'S HOMEWORK INSTRUCTIONS
ENGLISH	<p>Project Work Chapter: Nelson Mandela: Long Walk to Freedom</p> <p>Q. With reference to the chapter Nelson Mandela: Long Walk to Freedom, prepare a project highlighting Mandela's idea of freedom and leadership.</p> <p>Your project should include:</p> <ol style="list-style-type: none"> Introduction to the chapter and the main ideas Mandela's understanding of freedom Brief note on Apartheid and its impact Democratic values reflected in the chapter Lessons for today's youth One creative task: Design a poster promoting peace, equality, and human rights. <p>*General guidelines*</p> <p>*Use A4 size ruled or plain sheets.</p> <p>*Make a colourful cover page with: Project title, Student's name, Class & section, Roll number, Subject</p> <p>*Maintain neat handwriting.</p> <p>*Use headings, subheadings, coloured pens, borders, and diagrams.</p> <p>*Attach or draw pictures, posters, timelines, maps, and symbols related to South Africa, peace, equality, and democracy.</p> <p>*Keep the project within 600–800 words (excluding cover page and visuals).</p> <p>*Number all pages properly.</p> <p>Rubrics for Assessment: content-2, accuracy-2, interdisciplinary connections-2, creativity-2, language use-1 and presentation-1</p>
HINDI	<p style="text-align: center;">कक्षा-दसवीं ग्रीष्मावकाश कार्य</p> <p>[2026-2027]</p> <p>प्रश्न-1 निम्नलिखित विषय पर परियोजना तैयार कीजिए। [ए-4 साइज आकार के पृष्ठ में]</p> <p>परियोजना का विषय : विकसित भारत</p> <p>संकेत बिंदु :पाठ तर्तार-वामीरो</p> <p>1 आदिवासी संस्कृति और पर्यावरण चेतना</p> <p>i)आदिवासी जीवन और प्रकृति की निकटता ii) पर्यावरण संरक्षण की सीख</p>

2] प्राकृतिक आपदाओं के प्रति जागरूकता

i) पर्यावरण असंतुलन से होने वाले दुष्प्रभाव ii) सुरक्षित और टिकाऊ विकास अपनाना

3] सतत विकास (Sustainable Development)

i) वर्तमान आवश्यकताओं के साथ भविष्य की सुरक्षा

ii) पर्यावरण हितैषी तकनीकों का प्रयोग

निष्कर्ष

[पाठ्यपुस्तक और पूरक पाठ्यपुस्तक]

प्रश्न-2 दिए गए पाठों को ध्यानपूर्वक पढ़ें और पाठों पर आधारित मूल्यपरक (मूल्यांकनात्मक), विश्लेषणात्मक, और तुलनात्मक 3-3 प्रश्नों का स्वयं निर्माण करें और उत्तर लिखिए। [अभ्यास पुस्तिका में कीजिए]

1] ततारा-वामीरो कथा 2] सपनों के-से दिन

नोट: सामयिक परीक्षा-1 हेतु समस्त पाठ्यक्रम अनिवार्य रूप से याद करें तथा अभ्यास करें।

निर्देश: दिए गए समस्त कार्य का अंक मूल्यांकन निम्न आधारों पर निर्धारित किया जाएगा

विषयवस्तु की समझ अंक-1

दिए गए विषय का सही एवं स्पष्ट ज्ञान अंक-2

रचनात्मकता अंक- 2

नवीन विचार, आकर्षक प्रस्तुति अंक- 1

भाषा शुद्धता, प्रस्तुतीकरण अंक- 2

साफ-सुथरा कार्य, सजावट एवं व्यवस्थित लेखन" अंक-1

निर्धारित समय सीमा में कार्य जमा करना" अंक- 1

निष्कर्ष

[पाठ्यपुस्तक और पूरक पाठ्यपुस्तक]

प्रश्न-3 दिए गए पाठों को ध्यानपूर्वक पढ़ें और पाठों पर आधारित मूल्यपरक (मूल्यांकनात्मक), विश्लेषणात्मक, और तुलनात्मक 3-3 प्रश्नों का स्वयं निर्माण करें और उत्तर लिखिए। [अभ्यास पुस्तिका में कीजिए]

1] ततारा-वामीरो कथा 2] सपनों के-से दिन

नोट: सामयिक परीक्षा-1 हेतु समस्त पाठ्यक्रम अनिवार्य रूप से याद करें तथा अभ्यास करें।

निर्देश: दिए गए समस्त कार्य का अंक मूल्यांकन निम्न आधारों पर निर्धारित किया जाएगा

विषयवस्तु की समझ अंक-1


दिए गए विषय का सही एवं स्पष्ट ज्ञान अंक-2

रचनात्मकता अंक- 2

नवीन विचार, आकर्षक प्रस्तुति अंक- 1

भाषा शुद्धता, प्रस्तुतीकरण अंक- 2

	<p>साफ-सुथरा कार्य, सजावट एवं व्यवस्थित लेखन। अंक-1</p> <p>निर्धारित समय सीमा में कार्य जमा करना अंक- 1</p>
<p>MATHS</p>	<p>Topic: "Efficient Space Management and Smart Packaging for Viksit Bharat"</p> <p>Objective: To investigate the efficiency of packing objects of different shapes in a cuboid box and understand how mathematics helps in minimizing space wastage, improving storage systems, and promoting smart resource management for a developed India (Viksit Bharat).</p> <p>Project Work Instructions:</p> <ol style="list-style-type: none"> 1. Take a cuboid box and different objects of various shapes such as cubes, cylinders, spheres, and cuboids. 2. Arrange the objects inside the box in different ways and observe the space occupied. 3. Calculate: <ul style="list-style-type: none"> * Volume of the cuboid box * Volume occupied by the objects * Empty space left inside the box 4. Find the Packing Efficiency using the formula: <p>Packing Efficiency = Area of one circle / Area of square x 100% (refer to page no.74 of lab manual)</p> 5. Compare which shape arrangement gives maximum packing efficiency. 6. Prepare the project neatly on A4 size sheets in a project file. <p>The Project File Should Include:</p> <ul style="list-style-type: none"> * Cover Page * Acknowledgement * Index * Introduction to Packing Efficiency * Aim/Objectives of the Project * Materials Required * Observations and Calculations * Tables/Diagrams of Different Arrangements * Conclusion * Mind Map * Relation with Viksit Bharat <hr/> <p>Relation with Viksit Bharat:</p> <p>Efficient packaging and space management are important in transportation, warehouses, industries, e-commerce, and smart city planning. Better packing methods reduce wastage of space, fuel, time, and resources. Through this project, students will understand how mathematics contributes to sustainable development, innovation, and efficient resource utilization — important goals of Viksit Bharat. Rubrics:</p> <p>Timely Submission(1st week of july): 02 marks Presentation & Neatness: 02 marks Creativity & Design: 02 marks Mathematical Accuracy: 02 marks Explanation & Conclusion: 02 marks अंक- 2 Total 10 marks</p>
<p>SST</p>	<p>Theme: VIKSIT BHARAT @ 2047</p> <p><u>Project Guidelines:</u></p> <ul style="list-style-type: none"> • Use neat handwriting and colourful illustrations. • Make the project booklet attractive, informative, and easy to understand on A4 size sheets. • Creativity and originality will be appreciated. • Revise for PT-1 syllabus. Revision worksheet will be sent separately through Radical. Kindly complete the same in your notebook. <p>Only Roll Number: 25 onwards</p> <p>Idea - : "Nationalism to Nation Building: The Road to Viksit Bharat"</p>

	<ul style="list-style-type: none"> • The Concept: Based on History chapter Nationalism in India. Explore how the values of unity, sacrifice, and patriotism from India's freedom struggle can help shape a developed India. <p>What to include:</p> <ul style="list-style-type: none"> • Major movements and leaders of the freedom struggle. • How unity in diversity strengthened the freedom movement. • Compare India of 1947 and the vision of India in 2047. • Role of youth in nation building. <p>Creative Element: Create a timeline titled: "From Freedom to Viksit Bharat: India's Journey (1947–2047)"</p> <ul style="list-style-type: none"> -1947 – India gains Independence  -1950 – Constitution comes into effect -1991 – Economic reforms begin -2000s – Digital and technological growth -2023 – Rapid economic development -2047 – Vision of a developed Viksit Bharat <p>Rubrics -</p> <p>Timely Submission- 02 marks Organisation and Presentation - 02 marks Evidence and Examples - 02 marks Factual Support and Research - 02 marks Creative element and execution- 02 marks</p>
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Science	<ul style="list-style-type: none"> • Science Assignment to be done in the notebook. • Revise the syllabus done till date. • Science Project Work: Theme : Viksit Bharat Apply STEM concepts to solve real-world problems to support local sustainability and technological growth. Project Guidelines: <ul style="list-style-type: none"> • Use A4 size sheets/file • Include Cover Page, Acknowledgement, Index, Introduction, Main Content, Conclusion and Bibliography. • Add relevant pictures/ Diagrams. • Maintain neat presentation and handwriting. •The Project should be creative and Informative. <p>Research work (Read Ch:Metals and Non- metals and Ch: Electricity)</p> <ul style="list-style-type: none"> • Lithium & Cobalt (Metals) for Energy Independence: Research how extracting and processing these materials will power India's transition to electric mobility and net-zero emissions. Primary Goal: To investigate how the domestic processing, extraction, and closed-loop recycling of Lithium (Li) and Cobalt (Co) serve as the foundation for India's clean energy goals and long-term energy security. • Silicon & Gallium (Non-metal/Metal) for Semiconductors: Study the role of semiconductor materials in realizing techno-sovereignty and boosting domestic electronic manufacturing. Primary goal: Semiconductors are foundational for national security and economic resilience. Researching Silicon and Gallium helps map how domestic fabrication and material synthesis shield critical infrastructure from global supply-chain disruptions, ultimately securing techno-sovereignty. • Rare Earth Elements (REEs) for Defense & Aerospace: Investigate the metallurgical processes involved in separating REEs, which are vital for radar systems and wind turbines. Primary goal: Rare Earth Elements (REEs) are critical for defense and aerospace—vital for radar systems, precision-guided missiles, and wind turbine generators. The metallurgical challenge involves separating mixed REEs from ores using intense leaching and liquid-liquid extraction techniques to achieve ultra-high purities required for advanced technological applications.
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	<p>Tips to score well:*</p> <ul style="list-style-type: none"> - Add a chart explaining how your portfolio supports _Viksit Bharat 2047_ goals - Use low-cost materials but presentable - Organize properly and keep 1-2 min explanations ready. <p>RUBRICS</p> <ol style="list-style-type: none"> 1. Portfolio: 5 Marks <ul style="list-style-type: none"> Content and mastery: 2marks Reflection : 2 marks Organization and Format: 1mark 2. Assignment: 5 marks
IT	<p>Digital Documentation</p> <p>Assignment 1:</p> <p>Objective: Using various commands to create styles in LibreOffice Writer.</p> <p>Task: Type a paragraph on "Virtual Reality " and create below given styles as instructed:</p> <ol style="list-style-type: none"> 1. Heading: Font name: Font name: Times New Roman, Size: 16, Colour: Red. Give the style name: MyVR (Use create style from selection command to create style) 2. Paragraph: Apply Style Text Body from the Style Gallery 3. Quote: Font Name: Arial, Size:14, Colour: Blue, Alignment: Center, Italics. Give the style name: VR <p>Assignment 2:</p> <p>Objective: Inserting images and shapes and rearranging them.</p> <p>Task:</p> <ol style="list-style-type: none"> 1. Create a new document in LibreOffice Writer and Type a paragraph. 2. Insert a picture of your choice. 3. Adjust the picture at top left to the paragraph. 4. Insert some shapes and write additional text into the shapes. <p>Assignment 3:</p> <p>Objective: Creating templates in LibreOffice Writer and saving for distribution.</p> <p>Task:</p> <ol style="list-style-type: none"> 1. Create a new Template for the application writing format. 2. Apply formatting as required. 3. Set this template as a default template. 4. Change the default template to custom template. Change the formatting as you wish. <p>Assignment 4:</p> <p>Objective: Create and Customize Table of Contents</p> <p>Task: Prepare a document with different headings and apply a table of contents to it.</p> <p>Assignment 5:</p> <p>Objective: Using Track Changes in LibreOffice Writer</p> <p>Task: Create a document in LibreOffice Writer and perform editing using Track Changes by completing the following tasks:</p> <ol style="list-style-type: none"> 1. Enable Track Changes (Record Changes). 2. Insert new text and delete existing text. 3. Modify the formatting of any heading or paragraph. 4. Add at least one comment. 5. Review the changes and accept/reject them. 6. Save the final document. <p>Please ensure that the project file is printed and submitted in a ring folder as instructed.</p> <p>Rubrics -</p> <ul style="list-style-type: none"> Timely Submission- 02 marks Organisation and Presentation - 02 marks Creative element and execution- 02 marks