



ARMY PUBLIC SCHOOL, CLEMENT TOWN, DEHRADUN
SUMMER VACATION HOLIDAY HOMEWORK (2023-24)
CLASS X

<p>ENGLISH</p>	<ol style="list-style-type: none">1. Illustrate the poem 'Dust of Snow' in the form of a comic strip. Use colours and images to make it attractive.2. Prepare a poster on your favourite book/author. You can use a variety of materials, such as magazine clippings, printed images, markers and stickers.3. ART INTEGRATED PROJECT: Explore the rich cultural heritage, traditions, cuisine, language, folk dance, historical monuments, flora, fauna and tourist destinations of Puducherry. Prepare a collage (on a chart/charts) highlighting the same. Use catchy captions /quotes to make it appealing. (Presentation will be conducted in July)4. Prepare a colourful rainbow chart on Poetic Devices. (5 students can collaborate to accomplish this task as a team.)5. Frame 10 MCQs each from the chapters 'Nelson Mandela', 'A Triumph of Surgery' and the poem 'A Tiger in the Zoo'. Write in your English notebook.
<p>HINDI</p>	<p><u>लिखित</u></p> <p>प्रश्न-1' (स्पर्श' पुस्तक से ' बड़े भाई साहब' और ' डायरी का एक पन्ना' पाठ से दस-दस बहुविकल्पीय प्रश्न बनाकर उनके उत्तर भी लिखिए ।</p> <p>प्रश्न-2' (मन के हारे हार है मन के जीते जीत' विषय पर एक अनुच्छेद लिखिए । संकेत बिंदु- 1.निराशा अभिशाप 2.सकारात्मक सोच 3.दृष्टिकोण परिवर्तन</p> <p>प्रश्न-3(आपके क्षेत्र के पार्क को लोगों ने सार्वजनिक धरना प्रदर्शन का केंद्र बना दिया है ,जिससे यहाँ के निवासियों को अनेक समस्याओं का सामना करना पड़ रहा है। इस समस्या की ओर संबंधित अधिकारियों का ध्यान आकर्षित करने के लिए जागरूक समाचार - पत्र मुंबई के संपादक को लगभग 100 शब्दों में एक पत्र लिखिए।</p> <p>प्रश्न-4(' हरिहर काका' कहानी बदलते हुए पारिवारिक मूल्यों को किस प्रकार इंगित करती है?विस्तार पूर्वक समझाइए।</p> <p>प्रश्न-5 (आपके अनुसार ठाकुरबारी या किसी धार्मिक संस्था का समाज के प्रति क्या दायित्व होना चाहिए? लिखिए।</p> <p>प्रश्न-6) पुडुचेरी और उत्तराखंड के प्रमुख त्योहारों के बारे में लिखते हुए उनके चित्र भी बनाइए। यह कार्य फाइल में करना है।</p> <p><u>मौखिक</u></p> <ul style="list-style-type: none">• 'साखी' पाठ के प्रश्नोत्तर कंठस्थ कीजिए।• 'बड़े भाई साहब' और 'डायरी का एक पन्ना' के प्रश्नोत्तर कंठस्थ कीजिए।• पदबंध ,वाक्य -रूपांतरण के व्याकरण के नियमों का अभ्यास कीजिए।• कक्षा में करवाए गए व्याकरण के सभी प्रश्न- उत्तरों की पुनरावृत्ति कीजिए।• <u>नोट</u> सम्पूर्ण कार्य एक फाइल में करना है। -

<p>MATHS</p>	<p><u>ACTIVITY (To be done in thin note – book)</u></p> <ul style="list-style-type: none"> • DRAW THE MIND – MAP OF FOLLOWING CHAPTERS • Quadratic Equation. • Arithmetic Progressions. <p><u>ACTIVITY (In project File)</u></p> <ul style="list-style-type: none"> • To identify Arithmetic Progressions in some given lists of numbers. (patterns) • To find the sum of first n natural numbers. <p><u>RECAPITULATION (Separate thin Notebook)</u></p> <ul style="list-style-type: none"> • Do MCQs and Case Study Questions of the following chapters . <ol style="list-style-type: none"> 1. NUMBER SYSTEM. 2. POLYNOMIALS. 3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES. • Revise Ch-1,2,3 thoroughly. <p><u>CREATIVE CORNER (In loose sheets with proper Folder depicting the two states)</u></p> <ul style="list-style-type: none"> • Art Integrated Project: Collect the data of these two states (UTTARAKHAND AND PUDUCHERRY) and represent them through different graphs (Double Bar Graph, Line graph ,Pie – Chart) <ol style="list-style-type: none"> (a) Women Literacy Rate (b) Population in 2022 (c) Area of two States (d) Male is to Female ratio. <p><u>Make PPT - (Group Activity)</u> – Teacher will form groups of students and assign them following topics and the group will give presentation after summer break</p> <ul style="list-style-type: none"> • NUMBER SYSTEM. • POLYNOMIALS. • PAIR OF LINEAR EQUATIONS IN TWO VARIABLES. • QUADRATIC EQUATION. • ARITHMETIC PROGRESSIONS.
<p>SCIENCE</p>	<p><u>PHYSICS:</u></p> <ol style="list-style-type: none"> 1. Conduct a physics experiment at home using simple materials. You can choose an experiment related to topics such as light, electricity, sound, magnetism, energy or force. Document your experiment and results in a report. 2. Design a simple machine or device that solves a specific problem or makes a task easier. Create a detailed blueprint or diagram of your invention and provide a written explanation of how it works based on principles of physics.

3. Research and write an essay on “Space Research and Indian Contribution “.
Explore India’s achievements in the field of space research, including the Indian Space Research Organisation (ISRO) and its notable missions as Mangalyaan and the Chandrayaan lunar missions.
4. Make a question bank comprising of 30 Competency Based MCQs from Chapter- Light: Reflection and Refraction

CHEMISTRY

ACTIVITY

- 1 Find out at least 10 different chemical reactions happening in your daily life. Write down their balanced chemical equations and categorize them according to the type of reaction using power point presentation.
- 2 **“CHEMISTRY IN KITCHEN”**

Prepare a video while cooking (by any elder in your family) and explaining one basic healthy dish highlighting the chemicals present in ingredients used and how they are helpful for human growth and development. Video prepared should not be more than 3min.
- 3 Prepare indicators by using natural materials like extracts of Red Cabbage leaves, coloured petals of some flowers such as Petunia, China Rose and Turmeric. Use these indicators with lemon juice solution, soda-water, vinegar and baking soda. Write your observation in a Table. Use these indicators to design handkerchiefs, bags, cushion covers
- 4 Make a question bank comprising of 20 Competency Based MCQs, flowchart and one case study question from each Chapter- 1 and 5

BIOLOGY

1. Chapter 5 – Draw all the diagrams related with chapter life processes and Control and coordination
 2. Prepare the following **Art Integration project** as per the details given below:
 - a. “To prepare a brochure on a comparative analysis of
 - b. National Park, wildlife sanctuaries, medicinal plants, metal mined, scientist in Uttarakhand and Puducherry
- Assessment Rubrics:**
Content (1), Presentation (1), Creativity (1) , Relevance to topic/Clarity (1), Timely submission (1)
3. As you have studied about different life processes in your first chapter, prepare a file comprising of the following information after adequate research. Identify one under each category :
 - A gastric disease
 - A respiratory disease
 - A heart disease
 - A renal disease

	<p>Find out the causes, symptoms, mode of treatment and prevention of all the four diseases identified by you.</p> <p>Note-: Complete your practical record work by writing down all the experiments. Revise all the work done during the month of April and May</p>
<p>SOCIAL SCIENCE</p>	<p>Following to be done as holiday home work in summer vacation (2023-24)</p> <p>ART INTEGRATED PROJECT AS PRESCRIBED BY CBSE</p> <p>Pairing of state: Uttarakhand and Puducherry</p> <ol style="list-style-type: none"> 1. Compare and explain the type of climate found in both the states. (Use pictures and data) 2. Give a detailed description of crops grown in both the states. (Use pictures and data) 3. Following projects to be prepared (any one from the topics Sustainable Development, Consumer Rights, Social Issues) in a file and shared with other sections. Following points to be covered: <ul style="list-style-type: none"> • About consumer rights • Awareness about consumer rights • Consumer awareness programmes • Any two social issues from: Corruption, Poverty, Homelessness, Youth alcohol usage, Intolerance, Obesity, Teen violence and abuse, Teen depression and suicide. • Take one case study at least, use data through pie chart, bar graph etc. • Suggest remedies/solution of the problem. • Use pictures. <p>Internal assessment compulsory project</p> <ul style="list-style-type: none"> • XA - sustainable development to Hanshi ma'am • XB - consumer Rights to Hanshi ma'am • XC- Social issues to Nidhi ma'am • XD - consumer Rights to Shavya ma'am • XE- social issues to Nidhi ma'am • XF- social issues to Malvika ma'am • XG - sustainable development to Shavya ma'am (1 to 24roll numbers) • Malvika ma'am (25 to 48 roll numbers) <p>*internal assessment compulsory project*</p>

	<p>Guidelines</p> <ul style="list-style-type: none"> • Make an eco friendly cover and write on the topic ,given to your section . • Project should be hand written. • Write in brief and be relevant. • Include a case study,with pictures or article. <p>4. Frame 15 MCQS from each chapter taught. Write correct answer. Do not tick mark only. Do in home work note book. DO NOT MAKE SAPARATE NOTE BOOK.</p>
<p>INTRODUCTION TO FINANCIAL MARKET</p>	<p>Make a Report the topic given below in holidays home work of Introduction to financial market roll no 1 to23 (1-3) & 24 to 50 (4-6) (Do ANY 2 IN ABOUT 100 Words)</p> <ol style="list-style-type: none"> 1: Research and Gather Information 2: Future Trends in Financial Markets 3: Global Financial Market 4: Risk and Return 5: Financial Market Participants 6: Future Challenges and Opportunities
<p><u>ARTIFICIAL INTELLIGENCE</u></p>	<ol style="list-style-type: none"> 1. <u>Based on AI Applications and Research</u> : Identify and describe any three real world applications of AI in any three different sectors such as healthcare, military, finance, transportation or entertainment etc. You can mention how AI is being used to solve specific problems or improve efficiency and which domain of AI is being used in that field. 2. <u>AI in popular culture</u> : Discuss the portrayal of AI in movies , TV shows or books. You can choose any one specific book or movie and explore how it aligns with real world AI concepts. You can also evaluate the accuracy of the AI depiction and discuss the implications of such portrayals on public perception. 3. <u>AI Project Cycle</u> : On any one given case studies, explain all the 4Ws Canvas of Problem Scoping Stage and data features of Data Acquisition stage of AI Project Cycle. <u>Case Study I</u> : Illegal poaching of Elephant tuskers in the forest. <u>Case Study II:</u> Expensive rate of popular Korean Dish “Kimchi” in South Korea and in India too.

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| | <ol style="list-style-type: none">4. Read all the Chapters and Units of PART- A (Communication Skills) & PART- B (Subject –Specific Skills) already completed in school before Summer Break for upcoming assessments.5. Depending on your creativity and critical thinking, all the questions from Q.1 to Q.3 can be done in AI Notebooks or in the form of PowerPoint Presentation. |
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