



# ARMY PUBLIC SCHOOL GWALIOR

ACADEMIC SESSION 2024- 2025

SUMMER HOME ASSIGNMENT

CLASS: XII



S.NO	SUBJECT	HOME ASSIGNMENT
1	ENGLISH	<p>Q1. <a href="https://youtu.be/gxtjzh4M7i4?si=IMhzO7wdR1qTwmVz">https://youtu.be/gxtjzh4M7i4?si=IMhzO7wdR1qTwmVz</a> Watch the movie The Last Lesson and write down a new ending of the lesson after the class is dismissed by M Hamel.</p> <p>Q2. Prepare and record your own video of 5 min sharing the pictures of children working as labour at different places and your experience of witnessing child labor in your city.</p>
2	HINDI	<p>1. किसी महाविद्यालय में व्याख्याता पद के लिए आवेदन-पत्र दीजिए। अपने विद्यालय के प्रधानाध्यापक को निर्धन छात्र कोष से छात्रवृत्ति हेतु आवेदन-पत्र लिखिए।</p> <p>2. निम्नलिखितविषय पर फीचर लिखिए  </p> <p>1. नींद क्यूँ रात भर नहीं आती'</p> <p>2. पर्यटन के महत्त्व पर एक फ़ीचर लिखिए।</p> <p>3. अनुच्छेदलेखन - निम्नलिखितविषयपरअनुच्छेदलिखिए -</p> <p>1. ग्लोबलवार्मिंग-मनुष्यताकेलिएखतरा</p> <p>2. बच्चोंकीशिक्षामेंमाता-पिताकीभूमिका</p>
3	MATHS	<p>1. Visit to a stationary shop and do a survey on the sale of three stationary products Pencil, Eraser and Sharpener in two different time periods (April - September and October – March). Collect the information about the number of articles sold, unit sale price and unit cost price in above time periods. Based on the collected data find the revenue, total cost and total profit of shop in both time periods. Also find the gross profit of the shop.</p> <p>2. On your birthday you decided to donate some money to children of an orphanage home. If there were 8 children less, everyone would have got Rs 10 more. However, if there were 16 children more, everyone would have got Rs 10 less. Based on above information find the number of children who were given some money and how much to each child by you. Also find how much amount you spend in distributing to all the children of Orphanage? Help yourself in calculation using matrix algebra.</p>

4	<b>PHYSICS</b>	<p>1. Prepare an investigatory project report on any one topic including the following points:</p> <ol style="list-style-type: none"> <li>1. Heat Transfer in an Incandescent Lamp</li> <li>2. Use and Impact of Recycled Materials for Thermal Insulation</li> <li>3. The Future of Electricity: A Study of Wireless Energy</li> <li>4. .To research and discover novel electricity generating methods</li> <li>5. To generate electricity by waste material.</li> </ol> <ol style="list-style-type: none"> <li>1. Introduction to the topic</li> <li>2. Research and Analysis</li> <li>3. Theory</li> <li>4. Data collection</li> <li>5. Conclusion</li> </ol>
5	<b>CHEMISTRY</b>	<p>1. Conduct a survey in your locality and identify ,10 patients suffering from diabetes, BP., Thiorids, Cancer or any other disease. And study it under following heads:</p> <ol style="list-style-type: none"> <li>a)Name of Disease</li> <li>b)Disease Symptoms</li> <li>c)Drugs Taken/Taking</li> <li>d) Chemical Constituents</li> <li>e) Side effects (if any)</li> </ol> <p>2. Make any one model on:</p> <ol style="list-style-type: none"> <li>a) Photoelectric Effect (working model).</li> <li>b) Structure of any molecule (based on VSEPR theory or Hybridisation).</li> <li>c) Rutherford's Alpha scattering experiment.</li> <li>d) Any other model as per your choice.</li> </ol>
6	<b>BIOLOGY</b>	<p>1. Prepare an investigatory project on any one of the following topics:</p> <ol style="list-style-type: none"> <li>a. DNA fingerprinting</li> <li>b. Drugs and Alcohol</li> <li>c. Test tube baby programme</li> <li>d. Biogas Plant</li> <li>e. Pedigree Analysis</li> <li>f. Cancer</li> <li>g. Chromosomal Disorders</li> </ol> <p>The Project report should be prepared in following sequence:</p> <ol style="list-style-type: none"> <li>a. Cover page should include the title of the project, student information, school and year.</li> <li>b. Certificate</li> <li>c. Acknowledgement</li> <li>d. Index</li> <li>e. Project Content</li> <li>f. Case Study</li> <li>g. Bibliography</li> </ol> <p>2. Draw all the diagrams of the chapter 1 and 2 two times in diagram practice notebook.</p>

7	<b>ACCOUNTANCY</b>	<ul style="list-style-type: none"> <li>i. Students are required to download the financial statements of any public ltd. Company.</li> <li>ii. Observe and analyze the financial statements and write your comments as per your understanding.</li> </ul>
8	<b>BUSINESS STUDIES</b>	<ul style="list-style-type: none"> <li>i. Students are required to select any 10 Public Ltd. Companies listed in BSE /NSE and observe the fluctuation in their share prices for 15 days.</li> <li>ii. Prepare a Bar/ Line diagrams based on data collected of share prices of all companies.</li> <li>iii. Comment upon the trends shown by the Bar / Line diagrams of different companies.</li> </ul>
9	<b>ECONOMICS</b>	<p>1. Students are required to visit a nearby Petrol pump station and do the followings:</p> <ul style="list-style-type: none"> <li>(i) Make a record of Petrol and Diesel prices on daily basis for a period of 15 days in a file.</li> <li>(ii) Present the data collected with the help of schedule and Time series line diagram.</li> <li>(iii) Comment on the reasons responsible for the fluctuations in the prices of Petrol and Diesel.</li> </ul> <p>2. Prepare a poster which contains 10-15 news clippings which you consider as important and relating to Navaratnas from newspapers. Also collect the logos and advertisements of these PSEs.</p>
	<b>HISTORY</b>	<p>1. Collect five different kinds of currency notes and coins in circulation today. For each one of these, describe what you see on the obverse and the reverse ( the front and the back). Prepare a report on the common features as well as the differences in the terms of pictures, scripts and languages, size, shape and any other element that you find significant. Compare these with the coins of Gupta Period, Identifying the materials used, the techniques of minting, the visual symbols and their significance and the possible functions that coins may have had.</p> <p>2. Visit a near by monument (fort archive), collect illustrations of ten things made of stone, metal and clay produced and used at present. Compare these with the pictures of the Harappan civilization and identify the similarities and differences that you find.</p>
11	<b>POLITICAL SCIENCE</b>	<p>1. Read some nobles/stories by an Indian and a Pakistani/Bangladeshi writers like “Train to Pakistan(Khushwant Singh), Cracking India(Bapsi Sidhwa), Midnight’s Children(Salman Rushdie), The great partition(Yasmin Khan), Tamas(Bhisham Sahni) etc”. After reading any two of the following, find out the commonalities of the experience across the border and make a project report on it.</p>

		<p>2. Make a chart of elections and Governments in your States since 1952. The chart could have the following columns:</p> <ol style="list-style-type: none"> <li>year of the election</li> <li>name of the winning party</li> <li>name of the ruling party/parties</li> <li>name of the chief minister(s)</li> </ol>
12	<b>PSYCHOLOGY</b>	<p>Q 1 Prepare a case study on any two of the following disorder.</p> <ol style="list-style-type: none"> <li>Anxiety</li> <li>Depression</li> <li>OCD</li> </ol> <p>Compile it according to the format</p> <ul style="list-style-type: none"> <li>. Acknowledgment</li> <li>. Index</li> <li>. Introduction</li> <li>. Types of....</li> <li>. Symptoms.....</li> <li>1 Physical</li> <li>2 Mental</li> <li>3 Behavioural</li> <li>. Treatment</li> <li>. Case study</li> <li>. Conclusion</li> <li>. Bibliography</li> </ul> <p>Q 2 Organise a group outing to a park or a garden and conduct a survey to understand the mental health benefits of outdoor activities on mood and attitude. Collect data and analyze it. Write a report on the findings.</p>
13	<b>NCC</b>	<ol style="list-style-type: none"> <li>Design a personalized workout plan to maintain physical fitness during the break.</li> <li>Collect information about the two most iconic names in the history of Armed Forces: <ul style="list-style-type: none"> <li>*Field Marshal K M Cariappa</li> <li>*Field Marshal Sam Manekshaw</li> <li>* Paste their pictures and pen down some important characteristics of these two leaders.</li> </ul> </li> </ol> <p>Note: Activity should be done in files. Write neatly and legibly and submit after vacation.</p>
14	<b>PAINTING</b>	<p>Object Drawing (3Sheets) on half imperial.</p>
15	<b>PHYSICAL EDUCATION</b>	<ol style="list-style-type: none"> <li>Prepare a detailed research paper, Physical Education Lab Manual from the topic of your choice. List of projects/ Games Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey and Cricket. Complete the Investigatory project and Compile it according to the prescribed format. * Cover page * Certificate</li> </ol>

		<ul style="list-style-type: none"> <li>* Acknowledgment</li> <li>* Index</li> <li>* Introduction</li> <li>* Content: <ul style="list-style-type: none"> <li>A) Labelled diagram of field and Equipment</li> <li>B) Rules</li> <li>C) Terminologies</li> <li>D) Skills</li> </ul> </li> <li>* Case Study</li> <li>* Bibliography</li> <li>* Assessment Criterion- Content, Presentation, Research Work, Case study, Viva-voce and Confidence.</li> </ul>
16	<b>WORK EDUCATION</b>	
17	<b>HEALTH AND PHYSICAL EDUCATION</b>	<ul style="list-style-type: none"> <li>A. Foot ball gound measurement.</li> <li>B. Football rules and regulation</li> </ul>
16	<b>SKILL SUBJECTS</b>	<p><b>SUBJECT 1: Computer Science</b></p> <ol style="list-style-type: none"> <li>1. Write a program that inputs an integer in range 0-999 and then prints if the integer entered is a 1/2/3 digit number.</li> <li>2. Write a program that repeatedly asks from the users some numbers until string 'done' is typed. The program should print the sum of all numbers entered.</li> <li>3. Write a program to create a dictionary containing names of competition winner students as keys and number of their wins as values.</li> </ol>
		<p><b>SUBJECT 2: Physical Activity Training</b></p> <ul style="list-style-type: none"> <li>A) Explain the term Green Jobs</li> <li>B) Importance of Green Jobs</li> <li>c) Soft skills required for Green Jobs.</li> </ul>

**NOTE:**

**Number of assignment questions to be given per subject.**

- **Core Subject: Two assignments per subject (One activity based, One subject specific)**
- **Activity Subject: One assignment per subject.**