



**SWARNPRASTHA PUBLIC SCHOOL  
SONEPAT**

**SUMMER HOLIDAY HOMEWORK  
(2021-22)**

**CLASS: XII**

SNo	Subject	Description
1	ENGLISH	<ol style="list-style-type: none"> <li>1. Cut a classified advertisement of each category from a newspaper and paste them in your English Writing notebook.</li> <li>2. Find at least five different types of display advertisements from a newspaper, cut them and paste in the notebook.</li> <li>3. Draft a poster on 'Spreading Peace in the World' / 'Say No to Wars' on A4 size sheet.</li> <li>4. Take A4 sheets and make a formal invitation card to invite the parents on the occasion of Annual Day of your school.</li> <li>5. On the basis of the story 'The Address' read in class XI and 'The Enemy' of class XII, write your views/ opinion/ feelings about the hardships caused to the people due to wars and the solutions to overcome all this. Draw the maps wherever required and paste the pictures as well to make the presentation a lively one. This is a project work to be done on A4 sheets {about 10 pages}.</li> </ol>
2	MATHEMATICS	<ol style="list-style-type: none"> <li>1. Do the following three activities in the lab notebook. (Guidelines for activity is also uploaded in Google Classroom) <ul style="list-style-type: none"> <li>• Activity on Equivalence relation</li> <li>• Graph of <math>\sin^{-1} x</math>, Modulus Function</li> <li>• Continuity of the Function</li> </ul> </li> <li>2. Do the assignment which has been uploaded in Schoofi and Google Classroom.</li> <li>3. Select any one Project and submit the Project file when the school reopens.(Guidelines for Project is also uploaded in Google Classroom) <ul style="list-style-type: none"> <li>• To minimize the cost of the food, meeting the dietary requirements of the staple food of the adolescent students of your school.</li> <li>• Mathematics and Arts: Construction of shapes using curves of different functions.</li> <li>• Collection of statistical data and analysing it for standard deviation and mean deviation.</li> <li>• Prepare a project based on the Fibonacci sequence, their properties and similar pattern found in nature.</li> </ul> </li> </ol>
3	APPLIED MATHEMATICS	<ol style="list-style-type: none"> <li>1. Do the following three activities in the lab notebook. (Guidelines for activity is also uploaded in Google Classroom) <ul style="list-style-type: none"> <li>• Stock Market data sheet on excel</li> <li>• Matrix multiplication and the inverse of a matrix</li> </ul> </li> <li>2. Do the assignment which has been uploaded in Schoofi and Google Classroom.</li> </ol>

		<p>3. Select any one Project and submit the Project file when the school reopens.(Guidelines for Project is also uploaded in Google Classroom)</p> <ul style="list-style-type: none"> <li>• To minimize the cost of the food, meeting the dietary requirements of the staple food of the adolescent students of your school.</li> <li>• Use of prime numbers in coding and decoding of messages</li> <li>• Collection of statistical data and analysing it for standard deviation and mean deviation.</li> <li>• Prepare a project based on the Fibonacci sequence, their properties and similar pattern found in nature.</li> </ul>
4	PHYSICS	<ol style="list-style-type: none"> <li>1. Make animated project (ppt/videos) at least 15 slides according to the project given to you on classroom .This is an investigatory project whose marks will be given by external examiner during final physics practical examination.</li> <li>2. Do all the physics practical ( section wise) posted on the Google classroom</li> <li>3. Revise ch - 1,2,3 and practice back exercise ncert questions and ncert exemplar problems in physics notebook.</li> </ol>
5	CHEMISTRY	<ol style="list-style-type: none"> <li>1. Complete all the experiments in the practical file the details of which have been shared in the google classroom.</li> <li>2. Prepare an investigatory project in a separate file on any topic of your choice.</li> <li>3. Thoroughly revise the chapters which have been covered so far.</li> </ol>
6	BIOLOGY	<p>Practical File:</p> <ol style="list-style-type: none"> <li>1. Write all the practicals in the practical file leaving the observation table. List of practicals will be available on Google Classroom.</li> <li>2. Make an investigatory project for board examination.</li> </ol>
7	PHYSICAL EDUCATION	<p>Practical file-</p> <ol style="list-style-type: none"> <li>1) Fitness test administration for all items</li> <li>2) procedure, benefits and contraindication for any two asanas for each lifestyle diseases</li> <li>3) Procedure for administering senior citizen test for 5 elderly family members</li> <li>4) Any one game labelled diagram of field and equipment (rules, terminologies, and skill of game) Basketball, football, kabaddi, kho-kho, volleyball, handball, hockey, cricket.</li> </ol>
8	PSYCHOLOGY	<p>Practice paper from chap-1 and chap-4 given</p> <p>Prepare project on any one of the psychological disorder of your choice</p>

9	COMPUTER SCIENCE	<p><b>A: Python Program:</b> Write in fair notebook.</p> <ol style="list-style-type: none"> <li>1. A list contains the following elements: 3, 25, 13, 6, 35, 8, 14, 45</li> <li>2. Write a function to swap the content with the next value divisible by 5 so that the resultant List will look like: 25, 3, 13, 35, 6, 8, 45, 14</li> <li>3. Write a program to accept values from a user in a tuple. Add a tuple to it and display its elements one by one. Also display its maximum and minimum value.</li> <li>4. Write a program to input any values for two tuples. Print it, interchange it and then compare them.</li> <li>5. Write a Python program to input 'n' classes and names of their class teachers to store them in a dictionary and display the same. Also accept a particular class from the user and display the name of the class teacher of that class.</li> <li>6. Write a program to store student names and their percentage in a dictionary and delete a particular student name from the dictionary. Also display the dictionary after deletion.</li> <li>7. Write a Python program to input names of 'n' customers and their details like items bought, cost and phone number, etc., store them in a dictionary and display all the details in a tabular form.</li> <li>8. Write a Python program to capitalize first and last letters of each word of a given string.</li> <li>9. Write a Python program to remove duplicate characters of a given string.</li> <li>10. Write a Python program to compute sum of digits of a given string.</li> <li>11. Write a Python program to find the second most repeated word in a given string.</li> <li>12. Write a Python program to change a given string to a new string where the first and last chars have been exchanged.</li> <li>13. Write a Python program to multiply all the items in a list.</li> <li>14. Write a Python program to get the smallest number from a list.</li> <li>15. Write a Python program to append a list to the second list.</li> <li>16. Write a Python program to generate and print a list of first and last 5 elements where the values are square of numbers between 1 and 30 (both included).</li> <li>17. Write a Python program to get unique values from a list.</li> <li>18. Write a Python program to convert a string to a list.</li> <li>19. Write a Python script to concatenate the following dictionaries to create a new one: d1={'A':1,'B':2,'C':3}          d2={'D':4} Output should be: ={'A':1,'B':2,'C':3,'D':4}</li> <li>20. Write a Python script to check if a given key already exists in a dictionary.</li> <li>21. Write a Python script to print a dictionary where the keys are numbers between 1 and 15 (both included) and the values are square of keys.</li> </ol> <p>Sample Dictionary</p>
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10	ACCOUNTANCY	A comprehensive project on any company or firm
11	BUSINESS STUDIES	Project on principles of management by henry fayol
12	ECONOMICS	Make a project on any one of the following topics:-Government budget, Balance of payment, Currency war, Self-help group, Minimum support price, Waste management in India-Need of the hour, Digital India-step towards the future ,any other relevant topics
13	HISTORY	Learn ch1to 4 complete board project file
14	SOCIOLOGY	Learn ch1 to 3 complete board practical file
15	POLITICAL SCIENCE	Revise all the chapters done in the class & Complete board project file.

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