



HOLIDAY ENGAGEMENT

2023-2024

Grade- XI (Science)

Sl. No	Subject	Home works
01	Physics	<p>Complete the practical file</p> <p>SECTION–A</p> <p>Experiments</p> <ol style="list-style-type: none">1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.3. To determine volume of an irregular lamina using screw gauge.4. To determine radius of curvature of a given spherical surface by a spherometer. <p>SECTION–B</p> <p>Experiments</p> <ol style="list-style-type: none">1. To determine Young's modulus of elasticity of the material of a given wire.2. To find the force constant of a helical spring by plotting a graph between load and extension
02	Chemistry	<ol style="list-style-type: none">1. Complete all Practical related write-ups in a right sequence.2. Prepare an investigatory project on the topic given to you during class.

03	English	<p>Q.1. You are making an effort to spread the message of communal harmony. Prepare a poster with catchy slogans to be displayed in the school premises. (Word limit: 50 words)</p> <p>Q.2. Prepare a poster on Eco Friendly Diwali and also mention its importance in present scenario. (Word limit: 50 words)</p> <p>Q.3. You are a travel agent and conduct tours in India and abroad. Write an advertisement in about 50 words offering attractive discounts during summer vacations.</p> <p>Q.4. The recent rise in incidents of violent behaviour of students is a matter of concern for all. The problem can be curbed if students learn how to manage anger. Write a speech on the topic in 120-150 words to be delivered in the school morning assembly.</p> <p>Q.5. Write a speech in 120-150 words on 'Benefits of early rising' to be delivered by you in the morning assembly of your school. You are Karuna/Karan, Head Girl/Head Boy.</p>
04	Physical Education	Any one measurement in Track & field Event
05	Biology	Complete all the practical related works.



06	Mathematics	<p>Activity : 6- To distinguish between a relation and function.</p> <p>Activity:7- To verify the relation between the degree measure and the radian measure of an angle.</p> <p>Activity: 8- To obtain a quadratic function with the help of linear function graphically.</p>
07	Computer Science	<p>Computer Practical: -</p> <ol style="list-style-type: none">1. Write a program to print whether a given character is an uppercase or a lowercase character or a digit or any other character.2. Write a program to create a triangle of stars using a nested loop3. Write a Python script that displays the first ten Mersenne numbers4. Determine whether a number is a perfect number, an Armstrong number or a palindrome.5. Write a python script to calculate the sum of the following series: $S=(1)+(1+2)+(1+2+3)+.....+(1+2+3+....+n)$6. Write a python script to print the following pattern. 1 1 3 1 3 5 1 3 5 77. Write a program that reads a string and checks whether it is a palindrome string or not.8. Count and display the number of vowels, consonants, uppercase, lowercase characters in string.9. Find the largest and the smallest number in a list.10. Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.



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