

**HOLIDAY ENGAGEMENT**
2024-2025
Grade- XI (Science)

Sl. No	Subject	Home works
01	Physics	Complete the practical file SECTION–A Experiments 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. SECTION–B Experiments 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	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	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) Q.2. Prepare a poster on Eco Friendly Diwali and also mention its importance in present scenario. (Word limit: 50 words) 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. 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. 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.
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)+\dots+(1+2+3+\dots+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.

**Grade- XI Commerce**

NAME- _____

ENGLISH

- 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)
- Q.2. Prepare a poster on Eco Friendly Diwali and also mention its importance in present scenario. (Word limit: 50 words)
- 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.
- 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.
- 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.

MATHEMATICS

Activity: 6- To distinguish between a relation and function.

Activity:7- To verify the relation between the degree measure and the radian measure of an angle.

Activity: 8- To obtain a quadratic function with the help of linear function graphically.

ACCOUNTANCY

on 1st April 2019 Manish started of furniture business under the name of dining room he invested 10 lakh Rupees as capital he also took a bank loan of 4 lakh at in interest of 10% per annum from SBI payable in 10 half yearly installments beginning from 30 September 2019 the amount of loan and interest to be repaid in first year is as follows: 30th September (40000 + 20000 interest) 31st March (40000 + 18000 interest) he took a shop at rent for his business at a monthly rent of 14000 per month the payment is to be made at the end of the year he purchased machinery for making an item offer nature at the cost of 160000 he also deposited security we Tata Power and MTNL 420000 and 12000 respectively all the payments and receives were made through the banks accept cash during the year during the ear Manish withdraw 12000 per month by check for her personal use bank loan and interest on loan were paid on the due dates. journalise the about transaction



Particulars	Amount (₹)
Total Sales	25,60,000
Purchases:	
Cash	8,24,600
On Credit	4,20,000
Electricity Expenses:	
Cash	48,000
Outstanding	2,700
Telephone Expenses:	
Cash	27,400
Outstanding	4,200
Advertisement Expenses	4,680
Salaries	40,000
Miscellaneous Expenses	18,400

Journalise the above transaction

b. Post them into ledger accounts

c. Prepare the Trial Balance after charging depreciation on machinery at 10% p.a.

d. The closing stock was valued at ₹2,50,000

BUSINESS STUDIES

Prepare a project on the topic " Banking Services"

Survey of banking services performed by a Bank in your locality.

ECONOMICS

Prepare a project on any one of the topics:

1. Monopolistic competition (Ch-4)

2. Demonetisation in India (Ch-7)



COMPUTER SCIENCE

Computer Practical: -

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 loop
3. Write a Python script that displays the first ten Mersenne numbers
4. 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:
 $S=(1)+(1+2)+(1+2+3)+\dots+(1+2+3+\dots+n)$
6. Write a python script to print the following pattern.
1
1 3
1 3 5
1 3 5 7
7. 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.

PHYSICAL EDUCATION

Prepare a project on any one measurement in track and field events.



Grade- XI Humanities

English:-

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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.

Economics :-

Prepare a project file on any one of the topics:-

- 1.Monopolistic competition
- 2.Demonetisation in India

History:-

Prepare a project file on any one of the topics:-

- 1.An Empire Across Three Continents
- 2.Nomadic Empires

Geography:- Complete the Geography Practical file .

1. Introduction to Maps
- 2.Map scale
- 3.latitude and Longitude and Time
- 4.Map projections
- 5.Topographical map

Political Science:-

Prepare a project file on "International Organizations "

Physical Education:-

Any one measurement in track and field Event (Practical File)



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GD GOENKA PUBLIC SCHOOL

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HAPPY
Diwali
FESTIVAL OF LIGHTS



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