

ENGLISH VACATION HOME WORK.

- Q1. Imagine you are Jacopo. When the narrator leaves, he gives his address to you in case he could be of some help to you in future. However, you and your brother never approached him for help being self-righteous. Ten years have passed. You both are well established young men now. Remembering your struggle, write a letter to the narrator recounting your journey from rags to riches. (150 words)
- Q2. "War is another name for destruction. It brings with it endless number of maladies in the form of poverty, crime, innocent killings, social unrest, food crisis, unemployment and so on." With reference to the story "Two Gentlemen of Verona", write an article telling how war has affected the lives of the two boys (brothers) in the story. (150 words)

ग्रीष्मावकाश - गृहकार्य

कक्षा - दसवीं

विषय - हिन्दी

(1) ' एक भारत ,एक शिक्षा नीति से ही स्वस्थ एवं उन्नत राष्ट्र की संकल्पना साकार हो सकती है।' वाद - विवाद के इस विषय पर A/4 आकार के कागज़ पर पक्ष या विपक्ष में आलेख तैयार करना एवं मौखिक प्रस्तुति की तैयारी करना।

(2) कला समेकित अधिगम (AIL) के अन्तर्गत केरल राज्य की सांस्कृतिक एवं साहित्यिक विरासत का उल्लेख करते हुए कृष्णभक्त मीरा के साहित्यिक योगदान की सचित्र प्रस्तुति 1/4 आकार के चार्ट पेपर पर कीजिए।

ग्रीष्मावकाश - गृहकार्यम्

* कक्षा - दशमी (संस्कृतम्)

* प्रकृतिः, जन्तुशाला, पुस्तकालयः,
विद्यालयः, क्रीडाक्षेत्रम् - च

* उपरि लिखितं प्रत्येकं विषयम् आधिकृत्य
पञ्च वाक्यानाम् अनुच्छेदलेखनम् संस्कृतेन
कुर्वन्तु ।

* टिप्पणी - अनुच्छेदलेखनं कक्षाकार्यपुस्तिकायां कुर्वन्तु ।

VACATION HOME WORK

MATHEMATICS

CLASS - 8

I) Depict the entire number system on a cardboard sheet with suitable labelling

II) Solve the following questions:

i) Write the general forms and examples of a zero polynomial, constant polynomial, linear polynomial, quadratic polynomial, cubic polynomial and an n^{th} degree polynomial with their corresponding degrees.

ii) Divide the polynomial $p(x) = x^3 - 4x + 6$ by the polynomial $q(x) = 2 - x^2$ and find the quotient & remainder.

iii) Write all the algebraic identities and solve the following:

a) If $\frac{x}{y} + \frac{y}{x} = -1$; ($x, y \neq 0$), then find the value of $x^3 - y^3$.

b) If $a + b + c = 0$, prove that $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab} = 3$.

c) Find the value of:

$$\frac{1.2 \times 1.2 \times 1.2 - 0.2 \times 0.2 \times 0.2}{1.2 \times 1.2 + 1.2 \times 0.2 + 0.2 \times 0.2}$$

iv) Factorise the following:

a) $15x^2 - 19x - 22$ (b) $y^2 + 4y - 21$

c) $x^2 - 11x - 42$ (d) $25a^2 - 35a + 12$

SUMMER VACATION HW

CLASS - X

PHYSICS

MM 20

Q.1 Write 5 differences between Nuclear fission and Nuclear Fusion Reaction. (5)

Q.2 What do you mean by PM Surya Ghar Project? Write advantages of Solar Energy in daily life and in industry (5)

Q.3 Draw Diagram of —

(a) Wind mill OR (b) OTEC (Ocean Thermal Energy Converter) (5)
write its function in brief.

Q.4 Write 3 differences between with examples (5)
Renewable and Non-renewable sources of Energy.

Holiday HomeWORK (2024-25)

Holiday Home Work:- 2024-'25

Std. X

Sub:- chemistry

- 1) What is a balanced chemical equation? Why a chemical equation should be balanced?
- 2) Convert the following word equations to chemical equations form and then balance them—
 - (a) Hydrogen + Nitrogen \rightarrow Ammonia
 - (b) Hydrogen sulphide + Oxygen \rightarrow Water + Sulphur di oxide,
 - (c) Glucose + Oxygen \rightarrow Carbondioxide + water,
 - (d) Aluminium + Hydrochloric acid \rightarrow Aluminium chloride + Hydrogen,
 - (e) Zinc + Sodium hydroxide \rightarrow Sodium zincate + Hydrogen.
- 3) Why is double displacement reaction called precipitation reaction? Give two examples.
- 4) Why chips manufacturer used to flush the bags of chips with nitrogen?
(Write in a A-4 size paper)

Holiday Homework (2024-25)

CLASS-X

Subject: BIOLOGY

* In a different Interleaf copy (other than 'Biology' class-work copy) students are supposed to draw labelled elaborate diagram of -
(Decent coloring of the life-process can be done)

- a) Human digestive system
- b) Human respiratory system
- c) Human excretory system
- d) Human Heart & circulation of blood

on white pages of the copy & —

* on the ruled pages write about each system briefly.

* All the students of every section of class-10 are supposed to submit the 'Holiday H/w' positively on 18-06-24.

DELHI PUBLIC SCHOOL, BHILAI

HOLIDAY HOMEWORK

HISTORY & CIVICS

CLASS X

- * On 2 A4 size Chartpaper show ethnic composition of Belgium and Sri-Lanka with the help of maps (As given in NCERT Textbooks)
- * Prepare 20 MCQ from power sharing on A4 size papers.

Students must write on chart paper.

Name:-

Class/Sec:-

Roll.No:

SUMMER VACATION HOME-WORK-2024.

GEOGRAPHY

CLASS-10

1. Write three characteristics of each soil type found in India, in the geography class work notebook.
2. Make a colourful map of the major soil types of India with a proper index. Stick the map in your geography class work notebook.

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VACATION HOMEWORK

CLASS: 10

SUBJECT: ECONOMICS

Compare the development of the following states on the basis of Per Capita Income, Infant Mortality Rate and Literacy Rate for the year 2020-21. (Figures should be mentioned for each state separately). The comparison should be shown in the format given below:

S.NO	STATES	PER CAPITA INCOME	INFANT MORTALITY RATE	LITERACY RATE
1	UTTAR PRADESH			
2	MAHARASHTRA			
3	CHHATTISGARH			
4	RAJASTHAN			
5	TAMIL NADU			

Write your observation in five points.

The Vacation Homework should be done in A-4 size paper and should be submitted on 18.06.24.

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SUMMER VACATION ASSIGNMENT
(ARTIFICIAL INTELLIGENCE 417)
CLASS X
Session 2024– 25

Students are required to write the following **Python programs** in their practical notebook (one side ruled) and submit to their respective subject teachers on school reopens day (18th June 2024)

Write the python codes for the following programs and show minimum two test along with them (on non-ruled side of the practical notebook)

1. Write the program to print out the names given by the user as input.
2. Check whether a number is even or odd.
3. Check if a certain year is a leap year or not.
4. Write a program to find the largest number among the three input numbers.
5. Check whether the number entered is a prime number.
