



DOON BHARTI PUBLIC SCHOOL

HOLIDAYS HOMEWORK

SESSION : 2022 – 23

Name of Student _____

Class X

Section _____

Dear Parents,

Long summer break is the most joyful part of school life! Summer vacation is around the corner. We hope the children enjoyed their first spell in school as we enjoyed getting to know them.

Holidays are meant for enjoyment and if this time is used for creative pursuits, it becomes learning experience. The holiday homework has been designed to be a meaningful and creative exercise. Do ensure the child is involved with your guidance.

General guidelines:

- Summer vacation starts from 1st June'22 up to 03rd July'22. School will reopen on Monday 4th July'22.
- The holiday homework is available online on our websites: www.doonbharti.in & www.doonbharti.com
- Students are to complete HHW in a separate HHW note book / worksheet or as per given direction.
- Activities of each subject carries 2% total weightage in first term.

FOR THE PARENTS

Be A Friend: Play games with your child like – Ludo, Carrom-board or Scrabble.

Explore Nature: Take your child for morning walk, count trees, cars, stones, flowers etc. while going for a walk.

LANGUAGE DEVELOPMENT

Story Time: Read stories, recall some characters and incidents of the story by writing summary of story & character of sketches of different characters of story.

Use magic words like.

“Thank You”

“Please”

“Excuse me”

and

“Sorry”

Best Wishes

Holiday Homework 2022

1. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills.
2. Smartphone is one of the most important means of communication today. But it has also become a nuisance for some. Write an article on the same in around 120 words. You are sneh/sneha of class x. You may take the help from the following inputs.

Important means of communication - connects a person socially-keeps people updated, has become a virtual companion many disadvantages - disrupts peace of mind - a constant source of disturbance - excessive usage leads to mental health disorder-cause of deadly accidents on road - biggest distraction for students should be used wisely use to be minimize

3. Write a story on the basis of the cue given below.
It was Karl's first day at the new school. He was feeling very nervous. He stood in a corner and watched the students laughing and talking excitedly. When he saw four senior students advancing towards him, he...
4. Describe the following words in 300 words. \
 - a. Apartheid (refer 'Nelson Mandela: A Long Walk To Freedom')
 - b. Imprisonment (refer 'A Tiger In The Zoo')
5. Maintain a dictionary by reading an English newspaper and watch your favourite show. Take note of the new words (at least 5) that you see and hear and copy those words down in your notebook. Refer to the internet and learn what those words mean.

विषय-हिन्दी

अवकाश कार्य

अंतरण मूल्यांकन भाग - 1

निर्देश- (1) सभी कार्य अनिवार्य हैं।

(2) अवकाश कार्य के अंक दिए जाएंगे।

स्केप बुक - (1) कबीर के दस नीति परक दोहे चित्र सहित स्केप बुक में करो।(अर्थ नहीं लिखना।)

(2) दस मुहावरे या लोकोक्ति चित्र द्वारा चार्ट पेपर पर बनाओ ।

(3) विद्यालय स्थापना दिवस 4 अप्रैल पर ए फॉर सीट पर एक स्वरचित कविता लिखो।

(4) प्रथम सत्र- कराया गया कार्य याद करो।

1. निम्नलिखित अपठित गद्यांश को “अवकाश कार्य” कॉपी में करो ।

- अभ्यास प्रश्न - 2 से 6 (पेज न० 16, 16, 17, 18, 18)

2. निम्नलिखित अपठित काव्यांश को “अवकाश कार्य” कॉपी में करो ।

- अभ्यास प्रश्न - 1 से 5 (पेज न० 37, 37, 37, 38, 38)

Subject- Maths

Holiday Homework 2022

1. Make a project file in 15-20 pages on the topic “Importance of mathematics in daily life”.
2. Write an article in 300 words in scrap book on the topic “Real numbers”

3. Do/solve following questions in holiday homework notebook.

- i. Show that any positive odd integer is of the form $6q + 1$, or $6q + 3$, or $6q + 5$, where q is some integer.
- ii. The decimal expansion of $441/2^2 \times 5^3 \times 7$ will terminate after..... place.
- iii. Find the smallest number which when increased by 6 becomes divisible by 36, 63 and 108.
- iv. If $X + 1$ is factor of $2x^3 + ax^2 + 2bx + 1$ and $2a - 3b = 4$ then find the values of a and b .
- v. Make a quadratic polynomial whose one zero is 6 and sum of the zeros is 0.
- vi. Solve for x and y . $2x - 3y = 1$ and $3x - 2y = 4$.
- vii. 5 chairs and one table cost rupees 3500 and 8 chairs and two table cost rupees 6000. Find the cost of one chair in one table.
- viii. Prove that $\sqrt{5}$ is an irrational number.
- ix. Find the HCF of two co-prime numbers.
- x. The system of the equation $4x + py = 21$ and $px - 2y = 15$ has unique solution. find value of p .
- xi. Divide $3x^2 - x^3 - 3x + 5$ by $x - 1 - x^2$
- xii. Show that square of any positive integers are in the form of $4m$ or $4m + 1$.
- xiii. Two numbers are in the ratio of 15: 11. Is there scf is 13 then find the numbers.
- xiv. Show that $\frac{1}{2}$ and $-\frac{3}{2}$ are the zeroes of the polynomial $4x^2 + 4x - 3$ and verify the relationship between zeros and coefficient of polynomial.
- xv. On dividing the polynomial $p(x)$ by $g(x) = 4x^2 + 3x - 2$ the quotient $q(x) = 2x^2 + 2x - 1$ and remainder $r(x) = 14x - 10$. Find $p(x)$.
- xvi. Ravi has some cows and some hens in his shed. The total number of legs is 92 and the total number of heads is 29. Find the number of cows and number of hens.
- xvii. Find the value of x and y by graphical method. $3x + 4y = 7$, $5x - 2y = 3$
- xviii. Find the HCF of 253 and 440 by Euclid division algorithm.
- xix. Solve for x and y in $2x = 5y + 4$ and $3x - 2y + 16 = 0$
- xx. The sum of the numerator and denominator of a fraction is 12. If one is added to both the numerator and the denominator the fraction becomes $\frac{3}{4}$. Find the fraction.

Social Science

Holiday Homework 2022

A) **Project Activity** — Make a project on the following topic (any one)

- (1) Popular struggle for democracy in Nepal (Based on civics Ch-)
- (2) Nationalist symbols in our countries that unite us and feel proud [His - Ch -3]

General Guidelines:-

- (1) Make any one, take help from NCERT Book
- (2) It should be hand-made, clear, coloured and related pictures
- (3) It should be include minimum 10 pages.

B) **Scrap-Book :**

Draw Hydrological cycle and explain them also in brief .

Or

Paste outline Political Map of India showing different type of soil and explain any two of them

C) **In Holiday- H.W Note-book :-** Do v. short Q. and Ans.(10) ten from Ch-1 Geo ,Ch-1 Civics and Ch-1 Eco. Do

Map-Work of Geo Ch-3 and paste them in holiday H.W. Note-Book.

Revise the back exercise of term first.

Science

Holiday Homework 2022

***Project Work :-** Prepare the given project in project file-

[Groups created in the class]

I) Best out of wastes

Or

Waste management “HOW CAN BE SEGREGATE WASTES AND WHY”.

II) Environmental issues: Atmospheric pollution.

III) Indicators and their action on acids and bases.

***Models:-**

Working 3D model of

I) Breathing system

II) Excretory system (Kidney)

III) Digestive system

Material required:- bottle, pipes, thermocol, fevicol , colours, clay, thread (Coloured).

***Scrap book work:-**

Find the different examples of rusting and corrosion in your surrounding and past the related pictures (Collage)

***Chart paper work:-**

- 1) Different types of chemical reactions with suitable examples (Tabular form along with diagram)
- 2) Different types of mode of nutrition along with suitable diagrams.
- 3) “CO₂ is necessary for the photosynthesis” . Experimental verification.

***Note Book work:-**

Do the following questions in holiday homework notebook.

1. Draw a diagram of the front view of human heart and label any six parts including at least two, that are concerned with arterial blood supply to the heart muscles.
2. “Chlorophyll is essential for the photosynthesis” Explain with colourful diagram.
3. Write and learn the chemical formulas of all the salts along with their chemical & general names taught in the class.