

# Summer break holiday 's Home work

Class - 6 to 10

Subject Drawing

Take one chart paper sheet or ivory sheet for making a poster /painting on anyone given topic.

\* G20

\* NEP 2020

\* Sports

\* Our culture

\* Happy planet

\*Folk art

\* Art Integrated learning project on any subject

\*Any theme of your choice

KENDRIYA VIDYALAYA ONGC DEHRADUN

SUMMER VACATION HOMEWORK

CLASS-X C, D SUBJECT: - SOCIAL SCIENCE

- Make a Project on the given topic (any one)
  1. Customer Awareness
  2. Sustainable Development
  3. Social Issues
- Make notes on (50-100 word)
  1. Nationalism in India (History)
  2. Forest & Wildlife (Geography)
- Write Biography of
  1. Sardar Vallabh Bhai Patel (Roll no 1-10)
  2. Atal Bihari Vajpai (Roll no 11-20)
  3. Subhash Chandra Bose (Roll No 21-30)
  4. APJ Abdul Kalam (Roll No 31 TO Last)

*KENDRIYA VIDYALAYA ONGC DEHRADUN*  
*SUMMER VACATION HOMEWORK SESSION-2023-24*  
*CLASS-X A, SUBJECT: - SOCIAL SCIENCE*

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- (1) Define life expectancy, per capita income and literacy rate?
- (2) Define infant mortality rate and net attendance ratio?
- (3) Write a note on land use pattern in India.
- (4) Differentiate between “coming together” and “holding together” federation.
- (5) What is unitary government?
- (6) Suggest some ways to control soil erosion?
- (7) Write in detail about forms of power sharing?
- (8) What is Belgian Model?
- (9) What are types of resources? Write in detail.
- 10) Write in detail about types of soil?

**PROJECT WORK**

1. Project work on any one of the topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

Points to note for submitting the project:

a. It should be a handwritten project.

b. You can use newspaper cuttings, maps, graphs, diagrams and material from the web.

Follow the sequence as

Acknowledgment

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Content

Bibliography.

## Homework for summer vacations

### Class 10

### English

1. Write any two letters of enquiry with correct format.
2. Write a travelogue or memoir in 200 words.
3. Go through the chapters read by you till now and prepare yourself for the test that will be held just after the reopening of the school.
4. Read story number 1 to 5 of your supplementary book. Then write the summary in your notebook.
5. Write any five poetic devices with examples.
6. Solve grammar section of sample paper of CBSE or previous year question paper.

### First Term 's Project (To be done in file)

1. Read the newspapers daily and collect any five interesting news items. Frame short questions based on this news and then write the answers. Paste the cutting of the news in your project file.
2. Make a list of 20 new words learnt by you and write their meanings after consulting the dictionary and use them in a sentence of your own.
3. Learn and write any two poems other than the text book. (Patriotic or motivational)
4. Make a survey on any one of the given topics, collect data and write a research paper.

- A. Pressure on Teenagers
- B. Health Awareness

5. Read any one of the books and write book review. (List on website)

### Suggested Books

Geetanjali by RN Tagore  
Wings of Fire by APJ Abdul Kalam  
Autobiography of Nelson Mandela  
Ruskin Bond

6. Make a detailed survey on Millets / Shri Ann.  
Paste related pics and collect information.

OR

Select any one of the topics and prepare a detailed research paper. (5000 words)

- Climate Change and its impact
- Reforms for Multilateral institutions
- Circular Economy and Lifestyle for Environment
- Digitalization of Agriculture / Trade / Skills
- Women at the core of the Development Agenda / Women-led Development



ग्रीष्मकालीन गृहकार्य  
कक्षा X हिन्दी

अपठित गद्यांश/काव्यांश

बहुविकल्पीय प्रश्न:

- एक अपठित गद्यांश
- एक अपठित काव्यांश

पत्र लेखन

- आपके क्षेत्र में पार्क विकसित करने के लिए नगर निगम अधिकारी को पत्र लिखिए ।
- आपके छोटे भाई/बहन को सितार वादन प्रतियोगिता में पुरस्कार मिला है, उसको बधाई देते हुए पत्र लिखिए ।

व्याकरण

- वाच्य और उसके भेद उदाहरण सहित लिखिए ।

अनुच्छेद लेखन

- स्वच्छ भारत एक कदम स्वच्छता की ओर
- चैन छीनता हुआ मोबाइल फोन

पुस्तक समीक्षा

- अपनी मनपसन्द हिंदी की पुस्तक पढ़कर लगभग 150 शब्द में समीक्षा लिखिए ।

परियोजना कार्य

- भक्तिकाल के प्रमुख कवि
- देशभक्ति/प्रेरणादायक चार कविताओं का संग्रह कीजिये तथा कविताओं को याद भी कीजिए ।

# CLASS X MATHS HOLIDAY HOME WORK

1. Revise all the work done in class.
2. Write a paragraph on the topic ‘ ADVANTAGES OF STUDYING MATHS’ ( 100 words)
3. Learn tables from 11 to 20.
4. Write and learn square and square roots from 1 to 30.
5. Write and learn cube and cube roots from 1 to 15.
6. Study about any three famous Indian mathematicians and write about their contribution to Mathematics.( 50 words each )
7. Solve the following worksheets.

## MATHS WORKSHEET

### CLASS X

#### CHAPTER: REAL NUMBERS

1. Find HCF and LCM of 625, 1125 and 2125 using prime factorisation.
2. The HCF of two numbers is 9 and their LCM is 2016. If the one number is 54, then find the other number.
3. If  $p$  and  $q$  are positive integers such that  $p = ab^2$  and  $q = a^2b$ , where ‘ $a$ ’ and ‘ $b$ ’ are prime numbers, then find the LCM (  $p$ ,  $q$ ).
4. Given that  $\sqrt{5}$  is irrational, prove that  $3 - 2\sqrt{5}$  is irrational.
5. Find the ratio of LCM and HCF of the least composite and the least prime numbers.
6. Prove that  $\sqrt{5}$  is an irrational number.
7. Show that the number  $6^n$  never end with digit 0 for any natural number  $n$ .
8. Prove that  $\sqrt{3} + \sqrt{5}$  is an irrational number

## MATHS WORKSHEET

### CLASS X

#### CHAPTER: POLYNOMIALS

1. If  $\alpha$ ,  $\beta$  are the zeroes of the polynomial  $P(x) = 4x^2 + 3x + 7$ , then find the value of  $\frac{1}{\alpha} + \frac{1}{\beta}$ .
2. If one zero of the quadratic polynomial  $2x^2 + px + 4$  is 2, find the other zero. Also, find the value of  $p$ .
3. Find a quadratic polynomial whose one zero is 5 and product of zeroes is 30.
4. Find a quadratic polynomial whose zeroes are 3 and  $-5$ .
5. Find a quadratic polynomial whose zeroes are  $5 + \sqrt{2}$  and  $5 - \sqrt{2}$ .
6. If the product of the zeroes of the polynomial  $ax^2 - 6x - 6$  is 4, then find the value of  $a$ . Also find the sum of zeroes of the polynomial.
7. Find the zeroes of the quadratic polynomial  $x^2 - 2x - 8$  and verify the relationship between the zeroes and the coefficients of the polynomial.

# MATHS WORKSHEET

## CLASS X

### CHAPTER: PAIR OF LINEAR EQUATIONS

1. Find the value of  $k$  for which system of equation  $2x + 3y = 5$  and  $4x + ky = 10$  has infinite number of solutions.
2. Check the consistency of the pair of linear equations  $2x + 3y = 5$  and  $4x + 6y = 10$ .
3. Given the linear equation  $3x + 4y - 8 = 0$ , write another linear equation in two variables such that the geometrical representation of the pair so formed is parallel lines.
4. The area of a rectangle gets reduced by 9 square units, if its length is reduced by units and breadth is increased by 3 units. If we increase the length by 3 units and the breadth by 2 units, the area increases by 67 square units. Find the dimensions of the rectangle.
5. Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?
6. Meena went to a bank to withdraw Rs 2,000. She asked the cashier to give her Rs. 50 and Rs. 100 notes only. Meena got 25 notes in all. How many notes of Rs. 50 and Rs. 100 she received?



HOLIDAY HOMEWORK(SUMMER VACATIONS 2023-24)

SUBJECT- SCIENCE

CLASS-X

- Make a project on the topic "Our Environment". Under the following headings.
  - (1) Ecosystem- What are its Components?
  - (2) Ozone Layer and how it is getting depleted?
  - (3) Managing the garbage we produced.
- Write these practicals in your notebook
  1. Performing and observing the following reactions and classifying them into:
    - A Combination reaction
    - B Decomposition reaction
    - C Displacement reaction
    - D Double displacement reaction
    - (i) Action of water on quicklime
    - (ii) Action of heat on ferrous sulphate crystals
    - (iii) Iron nails kept in copper sulphate solution
    - (iv) Reaction between sodium sulphate and barium chloride solutions
  2. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:
    - (i)  $\text{ZnSO}_4(\text{aq})$
    - (ii)  $\text{FeSO}_4(\text{aq})$
    - (iii)  $\text{CuSO}_4(\text{aq})$
    - (iv)  $\text{Al}_2(\text{SO}_4)_3(\text{aq})$
- Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
- Write about these scientists and their contribution word limit 50-100 words.)
- Gregor John Mendel
- Hans Christian Oersted
- Michael Faraday
- Charles Darwin
- Complete all your work done during classroom teaching.
- Do NCERT exemplar question answers of chapter "Chemical Reactions and Equations " and chapter "Life Processes" in a separate notebook.