

KENDRIYA VIDYALAYA UNIVERSITY OF HYDERABAD
CLASS X-SUMMER HOLIDAY HOMEWORK 2025-2026

1. संस्कृत- कक्षा दसवीं

ग्रीष्म कालीन अवकाश हेतु गृहकार्य

1. अपठित अवबोधन -2
2. पत्र-लेखन -2
3. चित्र-वर्णन -2
4. अनुवाद (सेम्पल पेपर के अनुसार)
5. समय -लेखन
6. प्रत्यय (टाप् ,डीप् ,त्व ,तल , मतुप् ,ठक्)
- 7 .श्लोक

2. ENGLISH

1.Take any five passages from the study material and read them carefully and solve the questions based on the passage.

2. Choose any two lessons from your literature Book.

1. write the summary 2. Theme 3. Your favorite character. (Not to be copied from Google)

3.Letter to Editor (any five)

(a)You are Saurabh Srivastava, a resident of Defense Colony Bagdogra, Siliguri. Your colony is facing the severe problem of inadequate and contaminated water supply. You decide to express your views and make the authorities aware of the situation by writing a letter to the Editor of The Siliguri Times, Siliguri. Write Your letter in about 100-120 words. (MCB)

(b)Recently you read a report on increasing stress levels among the younger generation and you are very disturbed with the scenario. You decide to write a letter to the Editor of a newspaper expressing your concern and also about some measures which can be adopted by the youth to overcome stress. On the basis of the ideas reflected in the daily life and your own understanding write the letter to the Editor. MCB

(c)Recently, you got an opportunity to meet a few courageous girls, who, despite serious opposition from their families, continue their education. This has made you feel both proud and concerned about these girls and you decide to write a letter to The Editor of a newspaper emphasizing upon the need to promote girl child education. With your own ideas, write the letter to the Editor.MCB

(d). A survey reveals that most of our health related problems are due to our over fascination with modern gadgets like smart phones, lap tops, television and video games. The findings of the survey compel you to share your views on the issue and you decide to write a letter to the Editor of a newspaper. On the basis of your understanding write the letter.MCB

(e)You observe that most of your classmates bring fast food items as part of their school tiffin and even some of them regularly suffer from one disease or other but they keep on bringing fast food. You wish to make parents of such children aware of the harms of the fast food and so you decide to write a letter to the Editor of a news daily. On the basis of your own understanding of the problem write the letter.

(f)The number of tourists going to the hill stations is increasing. Time has led to their commercialization and its ill effects. More & more hotels, garbage effects on the life of the locals etc. Write a letter to the editor of The Times of India expressing your concern over the situation .

(g)You are Rizwan Ali, Resident of 456, Rajori Garden, New Delhi. Write a letter to the Editor of any newspaper drawing the attention of the concerned authorities to the deteriorating law & order situation in the city.

3. HINDI

परिर्ोजना कार्य –

1 हहिंदी समाचाि पत्ोिं से हकसी भी उत्पाद वस्तु, इलेक्ट्रॉहनक वस्तु, हशक्षक पद की आवश्यकता, प्रवेश प्राििंभ आहद हवषर्ोिं पि आधारित लगभग 05 हवज्ञापनोिं को काट कि A4 SIZE PAPER में हचपकाए।

2 अनुच्छेद हलखिए (लगभग १२० शब्ोिं में)

मेिा हप्रर् हवषर्- हहिंदी।

3 पोटयफोहलओ

बनाएँ – अपना

व्यखिगत परिचर्

4 कला समेहकत परिर्ोजना कार्य

(Art Integrated Project)

झािििंड िाज्य की सिंस्कृत का सहचत् वर्णन कीहजए अथवा

झािििंड केप्रमुि साहहत्यकािोिं में से हकसी एक कहव औ एक लेिक का सहचत्

वर्णन किं।(जीवनी + हचत्) नोट-

हहिंदी परिर्ोजना कार्य, एकीकृत परिर्ोजना कार्य तथा पोर्टफोलियो अलग- अलग फाइल में A4 size पेपि में तैर्ाकि कि हदनाकिंक- 21.06.2024 को अहनवार्य रूप से जमा किं ।

सभी फाइलकेप्रथम पृष्ठ पि शीषयक, सत्-2025-26, अपना नाम, कक्षा, हवद्यालर् का नाम अवश्य हलिं ।

हवद्याथी मात्ाओं पि हवशेष ध्यान दें तथा सुिंदि हलिावटकेसाथ िचनात्मकपूर्य प्रदत्त कार्य को पूिा

किं । परिर्ोजना कार्य की भाषाशैली सटीक, सहज, प्रभावशाली तथा आकषयक होनी चाहहए ।

4. SOCIAL

Complete your notebook write Questions/ Answer of History Ch. 1 The Rise of Nationalism in Europe.

Civics Ch. 1. Power Sharing. Economics Ch. 1 Development.

Write and learn 15 MCQs/VSA From each Chapter (His 1, Civics 1, Economics 1)

Write and learn Questions and answer of April Monthly Test

Map Skill :- On the political map of India Locate and label All States and Union Territories

PROJECT WORK (A4 sheet, 7-8)

1. Art Integrated Project on Jharkhand state on the following topics :

History of Jharkhand, Freedom fighters of Jharkhand, Food and Culture .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.
- c. Follow the sequence as
Acknowledgment
Index
Content
Bibliography.

5. SCIENCE

1.Project on natural resources

2.Art integrated project

Food style in different parts of jharkhand

6. ART

Topic: Folk Art of India

choose any one Indian folk art style (like Warli, Madhubani, Gond) and make a simple artwork in that style.

Choice: Instead of making a folk-art drawing, you can create a greeting card using elements of any one Indian folk-art style. Decorate the card with traditional patterns and write a thank-you message to god/parent/teacher/any other inside the greeting card.

Topic: Emotions in Art

Create an artwork that expresses any one emotion – joy, anger, peace, love, fear, etc. Use colours, lines, and forms to show the feeling clearly.

7. AI

Activity1: The three domains of AI and their applications.

1. Name and define all the domains of AI and the illustrations of practical applications within each AI domain.
2. Write common application for all the three major domains.

Activity2: Frameworks, Ethical Framework and need of Ethical Frameworks for AI.

1. What is an ethical frame work and why we need ethical frame work.
2. My Goodness <https://www.my-goodness.net/> - play the game and observe the issues, and write in observation.
3. Write any 3-bio ethics and its case study.

Activity 3: Art Integrated project

1. Real time applications of AI in Jharkhand state.
2. What are the AI tools and technologies implemented in Agriculture & Rural Development, Urban Management & Public Safety, Healthcare & Public Welfare, Education & Skill Development, Environmental Monitoring, Governance & Digital Services in Jharkhand state.
3. Any suggestions for implementing better way of living in Jharkhand state.

8. Work Experience

Topic: Assemble an electric circuit

1. Closed circuit
2. Open circuit

Write down: procedure

Required tools and materials

Draw near labelled circuit diagram

Write down conclusion.

Write work should be in WE note only.

Submit your circuit after reopening of Vidyalaya.

8. MATHS



MATHEMATICS - CLASS-X

General Guidelines for Students:

- 1. Do the homework in the HOMEWORK notebook.**
- 2. Presentation carries marks.**
- 3. Number the questions in serial order.**
- 4. Draw neat diagrams wherever necessary and label the parts neatly and clearly.**
- 5. Project to be done in a separate project file.**
- 6. Your project file needs to have a cover, introduction, content and conclusion.**

1. Find the HCF and LCM of 6, 72 and 120, using the prime factorisation method.
2. Explain why $7 \times 11 \times 13 + 13$ and $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 + 5$ are composite numbers.
3. There is a circular path around a sports field. Sonia takes 18 minutes to drive one round of the field, while Ravi takes 12 minutes for the same. Suppose they both start at the same point and at the same time, and go in the same direction. After how many minutes will they meet again at the starting point?
4. Prove that the following are irrationals: i) $\sqrt{2}$, ii) $\sqrt{3}$, iii) $\sqrt{5}$
5. Find the HCF of 96 and 404 by the prime factorisation method. Hence, find their LCM
6. Given that $\text{HCF}(306, 657) = 9$, find $\text{LCM}(306, 657)$.
7. What is the HCF of smallest primer number and the smallest composite number?
8. Express 225 in prime factorization.
9. Find the zeroes of the following quadratic polynomials and verify the relationship between the zeroes and the coefficients.
(i) $x^2 - 2x - 8$ (ii) $4s^2 - 4s + 1$
10. Draw the graphs of the equations $x - y + 1 = 0$ and $3x + 2y - 12 = 0$.

Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region.

11. Which of the following pairs of linear equations are consistent/inconsistent?

If consistent, obtain the solution graphically:

(i) $x + y = 5, 2x + 2y = 10$

(ii) $x - y = 8, 3x - 3y = 16$

(iii) $2x + y - 6 = 0, 4x - 2y - 4 = 0$ (iv) $2x - 2y - 2 = 0, 4x - 4y - 5 = 0$

12. Mr. RK Agrawal is owner of a famous amusement park in Delhi. The ticket charge for the park is Rs 150 for children and Rs 400 for adult. Generally he does not go to park and it is managed by team of staff. One day Mr Agrawal decided to random check the park and went there. When he checked the cash counter, he found that 480 tickets were sold and Rs 134500 was collected.



(i) Let the number of children visited be x and the number of adults visited be y . Which of the following is the correct system of equations that model the problem ?

(a) $x + y = 480$ and $3x + 8y = 2690$

(b) $x + 2y = 480$ and $3x + 4y = 2690$

(c) $x + y = 480$ and $3x + 4y = 2690$

(d) $x + 2y = 480$ and $3x + 8y = 2690$

(ii) How many children visited the park ?

(a) 250

(b) 500

(c) 230

(d) 460

(iii) How many adults visited the park?

(a) 250

(b) 500

(c) 230

(d) 460

(iv) How much amount collected if 300 children and 350 adults visited the park?

(a) Rs.225400

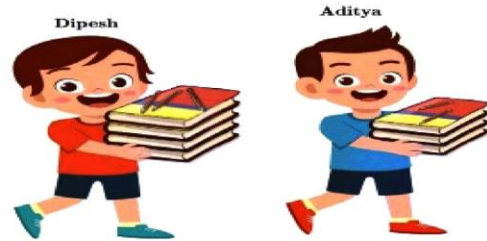
(b) Rs.154000

(c) Rs.112500

(d) Rs.185000

13. Dipesh bought 3 notebooks and 2 pens for Rs. 80. His friend Ramesh said that price of each notebook could be Rs. 25. Then three notebooks would cost Rs.75, the two pens would cost Rs. 5 and each pen could be for Rs. 2.50. Another friend Amar felt that Rs. 2.50 for one pen was too little. It should be at least Rs. 16. Then the price of each notebook would also be Rs.16.

Aditya also bought the same types of note books and pens as Dipesh. He paid 110 for 4 notebooks and 3 pens.



- (i) Whether the estimation of Ramesh and Amar is applicable for Aditya?
- (a) Ramesh's estimation is wrong but Amar's estimation is correct.
 - (b) Ramesh's estimation is correct but Amar's estimation is wrong.
 - (c) Both estimation are correct.
 - (b) Ramesh's estimation is wrong but Amar's estimation is also wrong.
- (ii) Let the cost of one notebook be x and that of pen be y .
Which of the following set describe the given problem?
- (a) $2x + 3y = 80$ and $3x + 4y = 110$
 - (b) $3x + 2y = 80$ and $4x + 3y = 110$
 - (c) $2x + 3y = 80$ and $4x + 3y = 110$
 - (d) $3x + 2y = 80$ and $3x + 4y = 110$
- (iii) What is the exact cost of the notebook?
- (a) Rs 10
 - (b) Rs 20
 - (c) Rs 16
 - (d) Rs 24
- (iv) What is the exact cost of the pen?
- (a) Rs 10
 - (b) Rs 20
 - (c) Rs 16
 - (d) Rs 24
- (v) What is the total cost if they purchase the same type of 15 notebooks and 12 pens.
- (a) Rs 410
 - (b) Rs 200
 - (c) Rs 420
 - (d) Rs 240

Project:

Prepare the maths Art Integrated project related to how maths is usefull in Real Time environment-JHARKHAND State.

Happy
Holidays

