केन्द्रीय विद्यालय औरंगाबाद, बिहार।

ग्रीष्मकालीन अवकाश गृहकार्य

सत्र— 2023—24

कक्षा— 10 विषय— हिन्दी

1. संत कवि तुलसीदास का जीवन परिचय लिखते हुए रामचरितमानस की कुछ चौपाई लिखें। (चार्ट पेपर पर सचित्र सजाकर)

2. सूरदास का जीवन परिचय और उनकी रचना भ्रमरगीत की कुछ पंक्तियाँ लिखें।

3. 'माता का अँचल' पाठ में पाठ में बच्चों की जो दुनिया रची गई है वह आपके बचपन की दुनिया से किस तरह भिन्न है?

4. अपने प्रिय मित्र के जन्म दिवस पर उसे एक बधाई संदेश लगभग 40 शब्दों में लिखें।

5. अनुच्छेद लिखें— क. शिक्षा का माध्यम— मातृभाषा

        ख. श्रम का महत्व

        ग. जल ही जीवन है

6. प्रधानाचार्य को विद्यालय में अधिकाधिक खेल का सामान मंगवाने के लिए अनुरोध करते हुए 120 शब्दों में आवेदन पत्र लिखें।

7. आपके चाचाजी ने एक मिष्ठान भंडार खोला है। उसके प्रचार हेतु लगभग 50 शब्दों में आकर्षक विज्ञापन तैयार करें।

8. हिन्दी दिवस के अवसर पर देशवासियों को एक शुभकामना संदेश लिखें।

9. वाक्य किसे कहते हैं? वाक्य के भेदों की परिभाषा सोदाहरण लिखें।

10. पढ़ाए गए सभी पाठों की पुनरावृति करें तथा शब्दार्थ और प्रश्न—उत्तर याद करें।

SUMMER VACATION HOLIDAY HOMEWORK ENGLISH

CLASS :- 10

1. SOLVE 3 YEARS BOARD PAPERS EXCEPT LITERATURE SECTION .
2. READ ENGLISH NEWSPAPER AND MAGAZINE. CUT AND PASTE OR WRITE THE NEWS WITH HEADLINES AND FRAME AL LEAST 3 SHORT QUESTIONS WITH ANSWERS AND WRITE DIFFICULTWORDS AND PHRASES WITH MEANINGS (AT LEAST 7 PASSAGES)
3. READ AUTOBIOGRAPHIES OF NELSON MANDELA , MAHATMA GANDHI AND APJ ABDUL KALAMAND WRITE THE BOOK REVIEW .
4. WRITE TWO ANALYTICAL PARAGRAPH ON RECENT TOPICS
   1. RECENT ELECTION ON DIFFERENT STATES (WITH BAR GRAPH)
   2. POPULATION BLAST AND CONTROL AND COMPARE WITH OTHER COUNTRIES LIKE ;-CHINA , AUSTRALIA , CANADA , USA (WRITE PARAGRAPH WITH BAR GRAPH)
5. WRITE FOUR STORIES OF THE BOOKS WHICH YOU HAVE READ DURING SUMMER VACATION LIKE
   :- STORIES OF PANCH TANTRA AND JATAKA TALES .
6. READ THE STORIES OF ALSO RK NARAYANA , AGATHA CHRISTIE .
7. DO THE INTEGRATED GRAMMAR PRACTICE FROM GRAMMAR BOOKS OR SAMPLE PAPER (TWOEXERCISES FROM EACH TYPE OF GRAMMAR)
   1. REPORTED SPEECH
   2. DETERMINERS
   3. TENSES
   4. VERB FORMS
   5. PASSIVE VOICE
8. WRITE FORMAL LETTERS (LETTERS OF COMPLAINT , ENQUIRY LETTERS , PLACING ORDERS ,LETTER TO THE EDITOR) TWO LETTERS OF EACH TYPE .
9. READ THE LESSONS AND STORIES OF YOUR TEXTS (FOOTPRINTS WITHOUT FEET AND THE FIRSTFLIGHT)

केन्द्रीयविद्यालयः संगठनम्

कक्षा-दशम्याः ग्रीष्मावकाशस्य गृहकार्यम्

क)   अधोलिखितान् शब्दान् पञ्च बारं लिखन्तु स्मरन्तु च

- अकारान्त/ आकारान्त - राम, बालक, नृप, देव , रमा

- इकारान्त / ईकारान्त- कवि, नदी, मुनि, हरि

- हलन्त – भवत् (त्रिषु लिंगेषु), इदम्(त्रिषु लिंगेषु)

- सर्वनाम शब्दाः - किम् (त्रिषु लिंगेषु), तत् (त्रिषु लिंगेषु), अस्मद्, युष्मद्

ख) अधोलिखितान् धातुरूपान् पञ्चसु लकारेषु पञ्चबारं लिखन्तु स्मरन्तु च

- भू, नम्, गम्, अस्, प्रच्छ्, कृ,ज्ञा,नी

ग) अधोलिखितानां अव्ययानां अर्थलेखनपूर्वकं कोऽपि 30लघुवाक्यरचना कुर्वन्तु

अत्र, तत्र, सर्वत्र, यत्र, एकत्र, यदा-तदा, सर्वदा, अधुना, अद्य, श्वः, ह्यः, कुत्र, कदा, एव, यथा-तथा

घ) एकतः शतं पर्यन्तं संख्या शब्दान् पञ्च बारं लिखन्तु स्मरन्तु च

पाठ्य पुस्तक शेमुषीतः प्रथमपाठस्य द्वितीयस्य च अभ्यासं बारद्वयं लिखन्तु स्मरन्तु च

ङ) पाठ्य पुस्तक शेमुषीतः प्रथमपाठस्य द्वितीयस्य च प्रयोगेन प्रश्नात्मकानां 20 वाक्यानां रचना कुर्वन्तु

परियोजनाकार्य – चरित्रसम्बद्ध विंशतिः श्लोकनां संकलनं कृत्वा सचित्रं उपस्थापयन्तु

Summer vacation Holiday homework
Class 10
Subject- Maths (Real number)

1.   Find the smallest number which when divided by 30, 40 and 60 leaves the remainder 7 in each case.

2. The dimensions of a room are 6 m 75 cm, 4 m 50 cm and 2 m 25 cm. Find the length of the largest measuring rod which can measure the dimensions in exact number of times.

3. The HCF of 2 numbers is 75 and their LCM is 1500. If one of the numbers is 300, find the other.

4. Prove that $\sqrt{3}$ is irrational.

5. Can 72 and 20 respectively be the LCM and HCF of two numbers. Write down the reason.

6. If a and b are two prime numbers, write their HCF and LCM.

7. If p and q are two coprime numbers, write their HCF and LCM.

8. Without actual division, state whether the decimal form of $\dfrac{539}{5^3 \times 2^2 \times 7^2}$ is terminating OR recurring.

9. Find the Hcf and Lcm of 350 and 400.Verify HCF X LCM=Product of two number.

10. Simplify: $\dfrac{2\sqrt{45}+3\sqrt{20}+10\sqrt{125}}{2\sqrt{5}}$

11. Write down 5 irrational numbers in radical form which are lying between 4 and 5.

12. Write down 2 rational numbers lying between $\sqrt{2}$ and $\sqrt{3}$.

13. Complete the missing entries in the following factor tree.

14. Prove that $\sqrt{p}+\sqrt{q}$ is irrational if p and q are prime numbers.

15. Find the largest number which divides 245 and 1205 leaving the remainder 5 in each case.

16. Find the largest number which divides 303, 455 and 757 leaving the remainder 3, 5 and 7 respectively.

17. Prove that $\sqrt{5}$ is irrational.

18. Prove that $6 - 2\sqrt{5}$ is irrational.

19. Find the HCF and the LCM of the following by prime factorization.
    a) 360,756
    b) $2x^4y^3z$, $32x^3y^4p^2$

20. **Find the HCF by Euclid's Division Algorithm**
    a) 256 , 352
    b) 450 , 500 , 625

(Polynomial)

1. **Find the zeroes of the following quadratic polynomials and verify the relationships between the zeroes and the coefficients of the polynomials:- (a): $p(x) = 8x^2 - 19x - 15$; (b): $q(x) = 4\sqrt{3}\, x^2 + 5x - 2\sqrt{3}$; (c): f**

   $(x) = 5x - 4\sqrt{3} + 2\sqrt{3}\, x^2$.

2. **Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively:-**
   (i) $2\frac{-4}{\sqrt{2}}$ (ii) $-1\frac{1}{3}$, 1   (iii) $\frac{\sqrt{5}}{-\sqrt{2}}, -2$ $-\sqrt{2}$
   (iv) $-1\frac{1}{3}$, $2\frac{1}{3}$

3. **Verify that 3, -1 and $-\frac{1}{3}$ are zeroes of the polynomial $p(x) = 3x^3 - 5x^2 - 11x - 3$. Then, verify the relationships between the zeroes and its coefficients.**

4. **For what value of K is 4 a zero of $f(x) = x^2 + kx + 4$?**

5. **Find the quotient and remainder when p(x) is divided by q(x).**
   (i) $p(x) = 6x^3 + 11x^2 - 39x - 65$, $q(x) = x^2 - 1 + x$
   (ii) $p(x) = 4 + 9x^2 - 4x^2$, $q(x) = x + 3x^2 - 1$
   (iii) $p(x) = 30x^4 - 82x^2 + 11x^3 + 48 - 12x$, $q(x) = 3x^2 + 2x - 4$

6. **What must be subtracted from $8x^4 + 14x^3 - 2x^2 + 7x - 8$ so that the resulting polynomial is exactly divisible by $4x^2 + 3x - 2$?**

7. **What must be added to $4x^4 + 2x^3 - 2x^2 + x - 1$, so that the resulting polynomial is divisible by $x^2 + 2x - 3$?**

8. **If -2 is a zero of$f(x) = x^3 + 13x^2 + 32x + 20$, find its other zeroes.**

9. $-\sqrt{3}$ **and - $\sqrt{-3}$ are zeroes of$f(x) = x^4 - 3x^3 - x^2 + 9x - 6$. Find all the zeroes of p(x).**

10. **Obtain all zeroes of the polynomial $p(x) = 2x^4 + x^3 - 14x^2 - 19x - 6$, if two of its zeroes are -1 and -2.**

11. Find all the zeroes of$f(x) = 2x4 - 2x3 - 7x^2 + 3x + 6$ if two of its zeroes are $\sqrt{3}$ and $-\sqrt{3}$.

12. **Find all values of p and q so that 1, -2 are zeroes of the polynomial $f(x) = x^3 + 10x^2 + px + q$.**

13. **If $p(x)=2x^4 + 3x^3 - 3x^2 - 2x + 5$ is divided by $2x^2 + 3x - 1$, then the remainder is x – a. Find a.**

14. **On dividing $f(x) = 2x^3 - 5x^2 + 4x - 8$ by g(x), the quotient and the remainder are (2x – 9) and 24x – 17, respectively. Find g(x).**

KENDRIYA VIDYALAYA AURANGABAD, BIHAR

SUMMER VACATION HOMEWORK
CLASS – X
Subject - Science

Question 1. Write all cases in concave mirror and convex mirror.

Question 2. Explain the significance of photosynthesis write the balance chemical equation involved in the process.

Question 3. 2g of ferrous sulphate crystal are heated in a dry boiling tube.

(a). List any two observation

(b). Name the type of chemical reaction taking place.

(c). write balanced chemical equation for the reaction and name the products formed.

Question 4. Complete your notes of chapter 1 and chapter 2 with exercise.

KENDRIYA VIDYALAYA AURANGABAD
HOLIDAY HOMEWORK- SUMMER VACATION (2023-2024)
SUBJECT – SOCIAL SCIENCE
CLASS – X

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1. Write a short essay on the topic 'International Yoga Day' and the importance of Yoga in our life.
2. Read the following chapters and find out 25 MCQs from each chapter and write it in your copy-   (A) Nationalism in India (B) Resources and Development.
3. Assignment- complete the map work in a separate notebook from the list of items of maps. (List of items for map is mentioned in CBSE syllabus & provided to students.)
4. Read any one News paper everyday and note down any 2 news which you think is the most important for you from the field of politics, economy, art or scientific development. Also write the reason for your selection.
5. Prepare a chart showing the different types of Renewable Resources and their importance.
6. Complete the worksheet sent to you separately through WhatsApp during vacation.
7. India has assumed the Presidency of G20, a forum for international economic cooperation on 1st December 2022 and will hold it till 30th November 2023. During this period of time a number of events will be conducted and hosted by India. Prepare notes of all these important events.
8. Make a plan to visit any nearest place of Historical eminence or of geographical significance during this summer vacation. Note down your experiences of the place and paste some relevant pictures also.

KENDRIYA VIDYALAYA AURANGABAD, BIHAR

SUMMER VACATION HOMEWORK – 2023

Subject – Computer

Class – X

1. Define System Security.

2. Define Internet. Write advantages & disadvantages of it.

3. Define Web Browser.

4. Write the difference between Web Site & Web Portal.

5. Explain the term Cyber Security.

Note: Do it in your fair copy of Computer.

KENDRIYA VIDYALAYA AURANGABAD BIHAR

SUMMER VACATION HOLIDAY HOMEWORK

LIBRARY

CLASS X

Q1. WRITE TEN INDIAN AUTHORS BOOKS' REVIEW.

Q2. WRITE THE INDIAN FESTIVAL AND HOW ITS' CELEBRATE?

Q3. WRITE THE SCRAP BOOK ON YOUR HOBBIES, TOUR, AND FERIEND'S BIRTHDAY E.T.C.

Q4. WRITE ABOUT KITECHEN GARDEN, HERBAL GARGEN, FLOWER GARNE AND MEDICINAL GARDEN.

Q5. READ NEWSPAPER AND WRITE DOWN NEW WORDS.