



KENDRIYA VIDYALAYA, GARHWA

SUMMER VACATION HOME WORK 2023-24

08.05.2023 TO 16.06.2023

CLASS: X

SUBJECT	HOME WORK
ENGLISH	<p>Q. Cut and paste three articles from Newspaper or any English magazine and write about each article in 75 words</p> <p>Q. Write all four kinds of letters following the correct format.</p> <p>Q. Write 15 literary devices with one example in file . Try to include examples from the text</p> <p>Q. Write message of the following chapters Fire and Ice, Nelson Mandela- a long walk to freedom , Dust and Snow, The Ball Poem</p> <p>Q Write a short note on Lencho's character.</p> <p>Q What was the opinion of Nelson Mandela's regarding freedom?</p> <p>Q. Did Mrs Pumphery act on the advice given by Dr Heriot ? If not why?</p> <p>Q. Prepare first three chapter listening to audio lesson for Reading activity.</p> <p>Q Print out portfolio shared in Whatsapp group and make necessary entry and prepare your work as evidence for entry in it.</p>
HINDI	<p>प्रश्न 1 तीन अपठित गद्यांश तथा पद्यांश के प्रश्न हल करें.</p> <p>प्रश्न 2 हालदार साहब का चरित्र चित्रण किजिये.</p> <p>प्रश्न 3 सूरदास के पदों का सारांश लिखिए .</p> <p>प्रश्न 4 भगत प्रचलित मान्यताओं को नहीं मानते थे . किस घटना के आधार पर सिद्ध होता है ?</p> <p>प्रश्न 5 एक औपचारिक तथा एक अनौपचारिक पत्र (letter) लिखिए .</p> <p>प्रश्न 6 निम्नलिखित विषयों पर अनुच्छेद (paragraph) लिखिए – 1. इंटरनेट : एक संचार क्रांति 2. समय अमूल्य धन है 3. योग का महत्व</p> <p>प्रश्न 7 क्षितिज भाग 2 के पढाये गये सभी पाठों के प्रश्न उत्तर को याद कीजिये .</p> <p>प्रश्न 8 सूरदास और तुलसीदास पाठ के कठिन शब्द और उनके अर्थ लिखिए.</p> <p>प्रश्न 9 क्षितिज भाग 2 के पढाये गये सभी पाठों का सारांश और लेखक / कवि परिचय लिखिए. (पोर्ट पोलियों)</p>

प्रश्न 10 हालदार साहब को पानवाले की कौन सी बात अच्छी नहीं लगी और क्यों ?
विषय संवर्धन : संज्ञा, सर्वनाम ,विशेषण ,क्रिया तथा क्रिया -विशेषण की परिभाषा
उसके भेद और उदाहरण लिखिए.

MATHS

INSTRUCTIONS:

- *Read all the questions carefully before solving. Write the solution of questions in Mathematics notebook.*
- *Complete the project separately on A4 sheets in neat and clear hand writing and attractive.*

Section A (Questions)

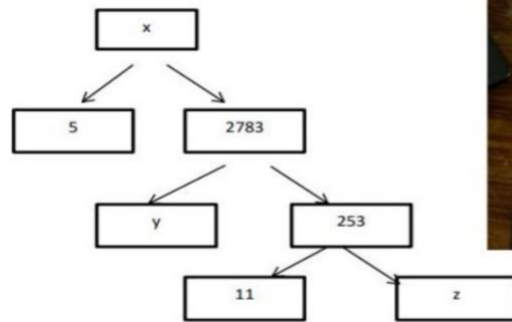
1. Check whether $75/455$ is terminating or non-terminating decimal expansion.
2. Check whether $654.737373\dots$ is a rational number. Justify.
3. A polynomial of degree 2 is called -----polynomial. (Cubic/ quadratic/ linear)
4. $\sqrt{25}$ is a -----number. (rational/irrational)
5. Find the p/q form of $0.09999\dots$
6. Find the H.C.F. of 567 and 255 using Euclid's division lemma.
7. Find the LCM and HCF of 510 and 92 and check whether $\text{LCM} \times \text{HCF} = \text{product of the given numbers}$.
8. Find the degree of :
 (i) $6x^3 - 7x - 3$ (ii) $4x^4 - 3x^5 - 4x + 1$
9. If $p(x) = x^3 - 3x^2 + 5x - 3$. find $p(2)$, $p(-1)$.
10. Prove that $\sqrt{3}$ is an irrational number.
11. Prove that $2 - 7\sqrt{3}$ is an irrational number.
12. Find the zeroes of the polynomials and verify the relation between the coefficients and the zeroes of the polynomial:
 - i. $4x^2 - 3x - 1$
 - ii. $3x^2 + 4x - 4$
 - iii. $5t^2 + 12t + 7$
13. For which value(s) of 'k' will the pair of equations $kx + 3y = k - 3$ and $12x + ky = k$ have no solution.
14. Two years ago, Salim was thrice as old as his daughter and six years later, he will be four years older than twice her age. How old are they now.
15. Solve the pair of linear equations: $x - y + 2 = 0$ and $4x - y - 4 = 0$

Section B (Project Work)

1. Do 15-15 MCQ questions from each chapter (1-3) from previous year question bank. TO BE DONE IN SEPRATE FILE.
2. Complete your portfolio of the chapters 1 to 3.

Section C (CASE BASED QUESTIONS)

(i) A mathematical Exhibition is being conducted in your school and one of your friends is making a model of a factor tree. He has some difficulty and ask for your help in completing a quiz for the audience. Observe the following factor tree and answer the following.



- What will be the value of x ?
a) 15005 b) 13915 c) 56920 d) 17429
- What will be the value of y ?
a) 23 b) 22 c) 11 d) 19
- What will be the value of z ?
a) 22 b) 23 c) 17 d) 19
- According to Fundamental Theorem of Arithmetic, 13915 is a.
a) Composite number b) Prime number
c) Neither prime nor composite d) Even number
- The prime factorisation of 13915 is
a) $5 \times 11^3 \times 13^2$ b) $5 \times 11^3 \times 23^2$ c) $5 \times 11^2 \times 23$ d) $5 \times 11^2 \times 13^2$

(ii)

Four satellites revolve around the earth once every 6, 8, 10, and 15 hr, respectively. If the satellites are initially lined up, how many hours must pass before they will again be lined up?



(ii)

The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 AM, at what time will they change simultaneously again?



(iv)

A tile floor is to be made from 10 inch, 12 inch, and 15 inch square tiles. A design is made by alternating rows with different size tiles. The first row uses only 10 inch tiles, the second row uses only 12 inch tiles, and the third row uses only 15 inch tiles. Neglecting the grout seams, what is the shortest length of floor space that can be covered evenly by each row?



SCIENCE

1. Learn key points and crux of these chapters: **Chapter-1(CHEMICAL REACTION) & 10 (LIGHT REFLECTION & REFRACTION).**
2. Write notes of chapters- 1. **LIFE PROCESSES & 2. OUR ENVIRONMENT** and learn all key points of these chapter.
3. Do prepare above-mentioned chapters for upcoming test/exams.
4. Complete the following writing work with complete neatness: i) Notebook, ii) Practical notebook, iii) Portfolio
The format of portfolio is :
https://drive.google.com/file/d/12IXAxRCA4_xjxU1Jq2Vxeuml9o_W7DLi/view?usp=sharing
Read the format of portfolio carefully and complete it in context of science.
(Portfolio can be made in written format or in printed format (pdf/document file).
This must be done individually.
5. Write about these:
 - A. Write a short note on – **CORROSION/RUSTING: Its causes and control measures.** (One page)

	<p>B. Solve sample questions related with 4 chapters (mentioned above) from the given link of sample question papers by KVS RO RANCHI. (Any 5 sample paper) Link for sample question papers: https://drive.google.com/file/d/1UrbmjycJX8866GRZTwVRnv7F2RGs3WPK/view?usp=sharing</p>
SST	<p>Q1. Make a project file on the topic consumer's rights. Q2. Prepare 30 -30 MCQs from each lesson; 1) NATIONALISM IN EUROPE (HISTORY) 2) POWER SHARING (POLITICAL SCIENCE) 3) RESOURCE AND DEVELOPMENT (GEOGRAPHY) Q3. On an outline map of India locate the following: Nagpur, Kolkata, Dandi, Lucknow, Chauri Choura, Champaran, Kheda, Ahmedabad Q.4 Prepare an Art Integrated Project on INTERNATIONAL YEAR OF MILLETS. (MAKE IN SUCH A SPECIFIC WAY THAT IT COVER ALL THE GEOGRAPHICAL AND SCIENTIFIC APPROACH.) Complete your MDP.</p>
COMPUTER	<p>LEARN :- 1. INTRODUCTION OF A.I. WITH MCQ 2. COMMUNICATION SKILLS MCQ WITH THE HELP OF INTERNET 3. HISTORY OF AI 4. TYPES OF INTELLIGENCE(ALL 9) WRITE SHORT NOTES ON – 1. PYTHON 2. DOMAINS OF A.I. 3. WEAK A.I. VS STRONG A.I. 4. A.I. ETHICS 5. 4Ws OF A.I. PROJECT CYCLE 6. COMMUNICATION SKILLS</p>
SANSKRIT	<p>1>'अस्माकं देशः' 'मम विद्यालयः' अनयोः विषये दश दश संस्कृत वाक्य लिख । 2>1 से 100 तक संस्कृत संख्या वाचक पद लिखें तथा याद करें । 3>बालक और बालिका शब्दरूप लिख कर उसका प्रत्येक पदों का हिंदी में अर्थ लिखें । 4>गुप में भेजे गए पत्रलेखानों को कॉपी में लिखें । 5>गुप में भेजे गए अपठित अवबोधन को कॉपी में लिखें । 6> पोर्टफोलियो तैयार करें । 7> पठ् धातु का (लट् , लोट् , लङ्) रूप लिखें तथा याद करें ।</p>

MUSIC	<p>1:- All students learn and write Vidyalaya Prayer,,,,, (दया कर दान विद्या का)</p> <p>2:- All students learn and write National antham and National song (राष्ट्र गान, जन गण मन और राष्ट्र गीत, वन्दे मातरम्</p> <p>3:- All students learn and write Vidyalaya geet (भारत का स्वर्णिम गौरव केंद्रीय विद्यालय)</p> <p>4:- All students learn and write Vidyalaya students pledge (छात्र प्रतिज्ञा)</p> <p>5:- All students learn and write community song, (सारे जहाँ से अच्छा हिन्दोस्तां हमारा,हम सबभारतीय हैं और हम होंगे कामयाब)</p> <p>6:- All students learn and write community song (आता उठवू सारे रान)</p> <p>नोट= जो विद्यार्थी प्रार्थना national anthem, national song, community song पहले से म्यूजिक कॉपी में लिख चुके हैं वह केवल याद करेंगे।</p>
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