कक्षा -दसवीं   विषय -हिंदी

1-किसी एक स्वतंत्रता सेनानी का चित्र चिपकाकर उनके बारे में एक अनुच्छेद लिखें।

2-गोपियों की वाक्चातुर्यता को आपने सूरदास के पद में पढा। आप भी इस आधार पर अकबर और बीरबल का कोई किस्सा लिखें।

3-आप अपने कुछ ऐसे कार्यों का उल्लेख करें जिससे देश प्रेम प्रकट होता है।

4-आप अपने आसपास के वातावरण को स्वच्छ और खुशहाल कैसे रख सकते हैं। बिंदुओं के आधार पर उत्तर दें।

5-भारत की ऋतुये और हिंदी के महीनों के नाम लिखें।

6-पाठ माता का अंचल पढ़ते-पढ़ते आपको भी अपने माता-पिता का लाड प्यार याद आ रहा होगा ।अपनी इन भावनाओं को डायरी के रूप में लिखें।

7-निम्नलिखित विषयों पर आकर्षक विज्ञापन बनाइए।

क-पुराना फर्नीचर बेचने के लिए।

ख-पुस्तक मेला

8- (क,)कुछ दिनों से आपके क्षेत्र में अपराध बढ़ने लगे हैं, जिससे आप चिंतित हैं। इन अपराधों की रोकथाम के लिए थाना अध्यक्ष को पत्र लिखिए।

(ख)-आपका एक मित्र शिमला में रहता है। आप उसको ग्रीष्मावकाश में अपने शहर आने का निमंत्रण दीजिए।

9- अनुच्छेद लिखिए

क-बदलती जीवन शैली

संकेत बिंदु -जीवन शैली का आशय-   बदलाव कैसा-∗ परिणाम।

ख-सौर ऊर्जा

संकेत बिंदु-∗प्रस्तावना ∗सौर ऊर्जा से तात्पर्य ∗सौर ऊर्जा का उत्पादन ∗लाभ ∗उप संहार

10-क-मित्र के जन्मदिन पर 30-40 शब्दों में एक संदेश लिखिए।

ख-शिक्षक दिवस पर अपने शिक्षकों के लिए एक संदेश लिखिए।

SUBJECT-SCIENCE

1. Write down all the Practicals that have been performed in the class in your practical notebook.

2. Prepare the Portfolio as per the topics allotted to you in the class.

3. From the Previous years question papers, attempt the questions asked in Board examination related to the chapters taught to you till now.
Make a separate notebook for this.

4. Prepare a working model for Science Exhibition.

5. Learn the reactivity series given in your textbook.

SUBJECT: ENGLISH

Note: Do the work in the activity file.

1. Make a post card with the chart paper and write it to your grandfather to spend summer vacation with you.
2. Write biography of Nelson Mandela including related pictures in about four pages.
3. Make a list of types of doctors and the diseases they treat. For example: Physician- a doctor who treats general ailments.
4. Collect information on 10 breeds of dogs along with their photos.
5. Write character sketches of the following in about 100-120 words each:
   a) Lencho
   b) Mrs. Pumphery
6. Write a letter to the Editor of a local daily on cleanliness problem in your area in not more than 120 words.

KENDRIYA VIDYALAYA NO 1 ARMAPUR, KANPUR
SUMMER VACATION HOMEWORK
MATHEMATICS
CLASS - X

Two marks questions :

1. Find a rational number between $\sqrt{2}$ and $\sqrt{3}$.
2. Two positive integers a and b can be written as $a=x^3y^2$ and $b = xy^3$, x , y are prime numbers find the LCM (a, b).
3. If HCF (336,54) =6, Find LCM(336,54).
4. Express 429 as a product of its prime factors.
5. Write the number of zeros in the end of a number where prime factorization is 2^3 x 5^3 x 3^2 x 17.
6. The HCF of two numbers a and b is 5 and their LCM is 200 .Find the product of ab.
7. Write the HCF of smallest prime number and the smallest composite number.

8. If HCF of 65 and 117 is expressible in the form 65n - 117 , then find the value of n.
9. Given that $\sqrt{2}$ is irrational , prove that $(5 + 3\sqrt{2})$ is an irrational number.

10. Find the value of k such that the polynomial $x^2 - (k+6)x + (2k-1)$ has some of its zeros equal to half of their product.
11. Quadratic polynomial $2x^2-3x+1$ has zeroes as α and β, Now form a quadratic polynomial whose zeroes are 3 α and 3 β
12. Find the value of k for which the following system of equations represents a pair of coincident lines:
    x+2y=3 and (k-1)x+(k+1)y=k+3
13. Find the value of k for which the following system of equations represents a pair of parallel lines:
    4x+6y-1=0 and 2x+ky-7=0

Three marks questions:

14. Find those integral values of m for which the x-coordinate of the point of intersection of lines represented by y= mx+1 and 3x+4y=9 is an integer.
15. If sum of the squares of the zeroes of the polynomial $x^2 -8x+k$ is 40, find the value of k.
16. Find the value of a and b for which the following pair of linear equations has infinitely many solutions: 2x+3y=7 , (a+b)x+(2a-b)y=21

17. The sum of the numerator and denominator of a fraction is 12. If 1 is added to both numerator and denominator the fraction becomes 3 /4 . Find the fraction.

18. Five years hence, the age of Jacob will be three times that of his son. Five years ago, Jacob's age as seven times that of his son. What are their present ages?

19. The sum of the digits of a two-digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number.

20. The age of the father is twice the sum of the ages of his 2 children. After 20 years, his age will be equal to the sum of the ages of his children. Find the age of the father.

21. Prove that $\sqrt{2}$ is an irrational number.

Four marks questions:

22. If α and β are zeroes of the polynomial $2y^2+7y+5$,find the value of
    (a) α + β+ α β
    (b) $\frac{1}{\alpha}$ +$\frac{1}{\beta}$ + α β

23. If p and q are the zeroes of the polynomial ax^2+bx+c , then find the value of
    (a) p^3+q^3
    (b) p^3-q^3

24. Draw the graph of following pair of equations
    4x-y=4 and 3x+2y=14 , shade the region bounded by both lines and x=0

25. Draw the graph of following pair of equations
    2x+y=6 and 2x-y+2=0 , shade the region bounded by both lines and x-axis. Find the area of the shaded region.

Home Work (during summer Vacation)
Sub- Social Science class - X Dat. 6-5-21

Q.1- Imagine if all supplies get exhausted, how will this affect our life style?
कल्पना करें कि यदि सभी प्रकार की आपूर्तियाँ खत्म हो जाये तो अपने जीवन शैली पर इसका क्या प्रभाव होगा?

Q.2 - Prepare a report about consumption and conservation of Resources in your locality.
अपने आस-पास के क्षेत्रों में संसाधनों के उपभोग और संरक्षण को दर्शाते हुए, एक रिपोर्ट तैयार करें।

Q.3- How was the history of nationalism in Britain unlike the rest of Europe?
ब्रिटेन में राष्ट्रवाद का इतिहास शेष यूरोप की तुलना में किस प्रकार भिन्न था?

Q.4- Explain the major forms of Power sharing in modern democracy.
(Both- Level of government and organs of government.)
आधुनिक लोकतांत्रिक व्यवस्थाओं में सत्ता की साझेदारी के विभिन्न रूपों का वर्णन करें।
(दोनों - सरकार के स्तर और सरकार के अंग)

Qu.5- What may be development for one may not be development for the others. Explain by giving example.

एक के लिए जो विकास है, वह दूसरे के लिए विकास न भी हो। उदाहरण सहित समझाइए।

Qu.6- On the outline political map of India locate the following.

भारत के राजनैतिक रेखा-मानचित्र पर निम्नलिखित को दर्शाइए. (कालग. कारम क्षेत्र में).

पर्वत कार्य, वन

(i) major soil Types - ① Forest & mountainous
② Alluvial - जलोढ.
③ Red and yellow लाल और पीली
④ Black - काली
⑤ Laterite - लैटराइट
⑥ Arid - शुष्क

Note — All answers should be written in the S-St. copy.