केन्द्रीयविद्यालय सीकर

ग्रीष्मकालीनअवकाशगृहकार्य

कक्षा – दसवीं 'अ' (विषय – हिन्दी)

निर्देश:-सभीविद्यार्थीग्रीष्मकालीनअवकाशगृहकार्य की नई कॉपी बनाएँगें।

1.गोपियों कीजगहआपहोतेतोअपनातर्ककिसप्रकारदेते?(25 से 30 शब्दों में लिखिए)

2.किसी एकस्वतंत्रतासेनानीकासचित्रवर्णनकीजिए।

3.आपसेकिसीमहापुरुषकीमूर्तिलगानेकेलिएकहाजाएतोआपकिसकीमूर्तिलगाएंगे, औरक्यों

 ? (50 से 60 शब्दों में लिखिए)

4. सूरदास के पद ,राम-लक्ष्मण-परशुराम संवाद , नेता जी का चश्मा और बालगोबिन भगत का सारांश

 अपने शब्दों में लिखें ।

5.आप आदर्श कॉलोनी, वसंत विहार नई दिल्ली के निवासी अरुण और अरुणा हैं ।आपके क्षेत्र में अपराध

 एवं चोरियों की संख्या बढ़ती जा रही है ।अपने क्षेत्र के थानाध्यक्ष को सूचित करते हुए रोकथाम हेतु

 लगभग 100 शब्दों में पत्रलिखिए।

6. 'वर्तमानसमयमेंकोरोनाकीभयावहस्थिति' एवं अंतर्राष्ट्रीय योग दिवस'पर लगभग 120 शब्दों में

अनुच्छेदलिखें।

7. कोई दस वाक्य लिखें और वाक्य में आए संज्ञा, सर्वनाम,विशेषण ,क्रिया ,क्रियाविशेषण आदि को

 रेखांकित कर उनका पद परिचय लिखें ।

8.(अ) सरल , संयुक्त और मिश्रित वाक्य की उदाहरण सहित परिभाषा लिखिए ।

   (ब) कोई पाँच मिश्रित वाक्य लिखिए और उनको सरल और संयुक्त वाक्य में रूपांतरित कीजिए ।

   (स) कोई पाँच संयुक्त वाक्य लिखिए और उनको सरल और मिश्रित वाक्य में रूपांतरित कीजिए ।

HOLIDAY HOMEWORK FOR SUMMER VACATION'2023-24
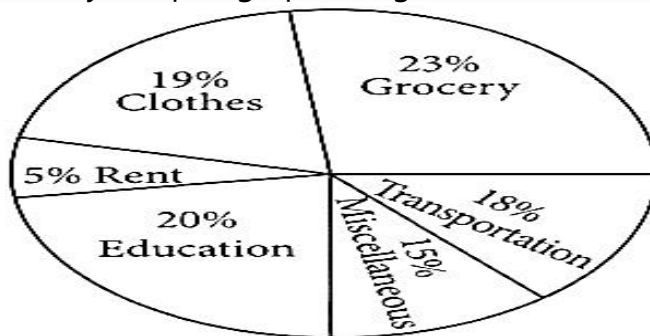## CLASS-X A (SUBJECT: ENGLISH)

1. You bought a mobile phone from a reputed showroom, named Customers' Electronics in Mumbai but after a month it developed a serious glitch. Write a complaint letter to the Manager of the showroom asking for immediate replacement of the same. You are Raza/Razia, 123, South TT Nagar, Bhopal.

2. You are Raj/Rani, a resident of 79, Sector 4, RK Puram, New Delhi. You are interested in joining the course in Communication Skills advertised by the Elite School of Language, South Extension – II. Write a letter of enquiry for the same in about 100-150 words.

3. You are Vidushi/Vishal, Hostel Warden, Zenith Public School, New Delhi. Write a letter to the Sales Manager, Bharat Electricals & Domestic Appliances Limited, Delhi, placing an order for fans, microwave ovens, geysers and tube lights that you wish to purchase for the hostel. Also ask for the discount permissible on the purchase.
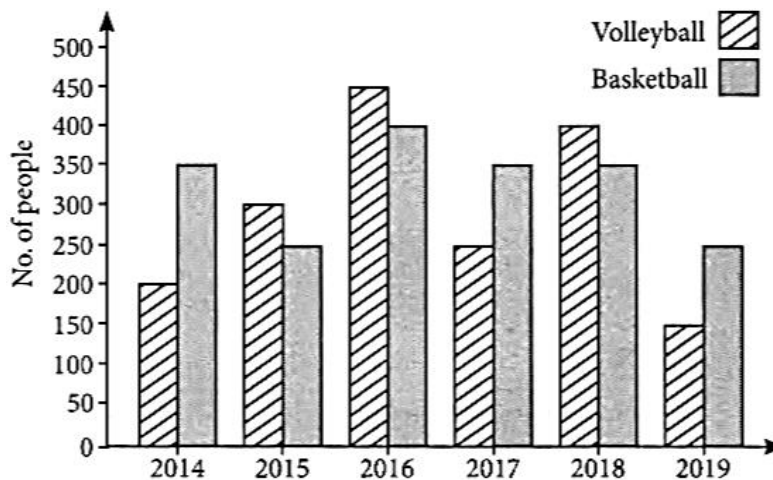
4. Write character-sketch of the following in about 120-150 words-

-HORACE DANBY
-AUSABLE
-RICHARD EBRIGHT
-GRIFFIN

5. The given pie chart represents the amount of money spent by a family on different items in a month. Write an analytical paragraph using the information given in the chart-

6. The given double bar graph shows the preferences of children in a school in playing different games over the span of six years. Write an analytical paragraph about the given information.

SECTION-A

MCQ TYPE QUESTIONS-

Q1. If a = 2^3 x 3, b = 2 x 3 x 5, c = 3^n x 5 and LCM (a, b, c) = 2^3 x 3^2 x 5, then n =

   (a) 1 (b) 2 (c) 3 (d) 4

Q2. The least number which is a perfect square and is divisible by each of 16, 20 and 24 is- (a) 240 (b) 1600 (c) 2400 (d) 3600

Q3. If two positive integers a and b are written as a = xy^2 and b = xy^3 ; x, y are prime numbers, then HCF (a, b) is (a) xy (b) xy^2 (c) x^3y^3 (d) x^2y^2

Q4. The least number that is divisible by all the numbers from 1 to 10 (both inclusive) is (a) 10 (b) 100 (c) 504 (d) 2520

Q5. If the product of two numbers is 1050 and their HCF is 25, find their LCM.

 (a) 42 (b) 25 (c) 105 (d) none of these

Q6. The LCM of two numbers is 9 times their HCF. The sum of LCM and HCF is 500. Find their HCF. (a) 40 (b) 90 (c) 50 (d) none of these

Q7. HCF of (2^3 × 3^2 × 5), (2^2 × 3^3 × 5^2) and (2^4 × 3 × 5^3 × 7) is

(a) 30 (b) 48 (c) 60 (d) 105

Q8. The product of two numbers is 1600 and their HCF is 5. The LCM of the numbers is (a) 8000 (b) 1600 (c) 320 (d) 1605

Q9. The HCF of two numbers is 27 and their LCM is 162. If one of the numbers is 54, what is the other number? (a) 36 (b) 45 (c) 9 (d) 81

Q10. LCM of (2^3 × 3 × 5) and (2^4 × 5 × 7) is - (a) 40 (b) 560 (c) 1680 (d) 112.

Q11. **What will be the least possible number of the planks, if three pieces of timber 42 m, 49 m and 63 m long have to be divided into planks of the same length?**

   (a) 5   (b) 6   (c) 7   (d) none of these

Q12. Given that LCM (91, 26) = 182, then HCF (91, 26) is:
   (a) 13   (b) 26   (c) 7   (d) 9

Q13. The values of x and y in the given figure are:

   (a) x = 10; y = 14 (b) x = 21; y = 84 (c) x = 21; y = 25 (d) x = 10; y = 40

Q14. If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is:
(a) 10   (b) -10   (c) 5   (d) -5

Q15. The zeroes of the quadratic polynomial $x^2 + 10x + 16$ are:
(a) both +ve   (b) both –ve (c) one +ve and one -ve (d) both equal

Q16. A quadratic polynomial, whose zeroes are   -4 and -5, is
(a) $x^2-9x + 20$ (b) $x^2 + 9x + 20$ (c) $x^2-9x- 20$ (d) $x^2 + 9x- 20$

Q17. The sum and the product of the zeroes of polynomial $6x^2 - 5$ respectively are
(a) 0, −6/5 (b) 0, 6/5 (c) 0, 5/6 (d) 0, −5/6

Q18. **Q1.If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is**
   (a) 10   (b) -10   (c) 5   (d) -5

Q19. If one of the zeroes of the quadratic polynomial $(k – 1) x^2 + kx + 1$ is – 3, then the value of k is

   (a) 4/3   (b) -4/3   (c) 2/3   (d) -2/3

Q20. A quadratic polynomial, whose zeroes are -3 and 4, is

(a) $x^2- x + 12$ (b) $x^2 + x + 12$ (c) $x^2/2 + x /2– 6$ (d) $2x^2 + 2x – 24$

Q21. If the zeroes of the quadratic polynomial $x^2 + (a + 1) x + b$ are 2 and -3, then

   (a) a = -7, b = -1   (b) a = 5, b = -1   (c) a = 2, b = -6   (d) a – 0, b = -6

Q22. If graph of a polynomial does not intersects the x-axis but intersects y-axis in one point, then no. of zeroes of the polynomial is equal to

   (a) 0   (b) 1   (c) 0 OR 1   (d) none of these

Q23. If 2 and 1/2 are the zeros of px^2+5x+r, then

   a) p = r = 2   (b) p = r = - 2   (c) p = 2, r= -2   (d) p = -2, r= 2

Q24. If α and β are the zeros of $10x^2+20x-80$, then the value of $1/α+1/β$ is

   (a) 5/4   (b) 1/5   (c) 3/4 (d) 1/4

Q25. α and β are the zeros of $x^2 + (k^2 - 1)x - 20$, such that $\alpha^2 - \beta^2 - \alpha\beta = 29$

And $\alpha - \beta = 9$ then, the value of k is

(a) 1   (b) 0   (c) 2   (d) 3

Q26. If α and β are the zeros of $x^2 - (5 + 7k) x + 35k$, such that $\alpha^2 + \beta^2 = 172$ then the value of k is-

a) $6\sqrt{3}$ b) $\sqrt{3}$ c) 3   d) $3\sqrt{3}$

Q27. What will be the value of $(\alpha - \beta)^2$ if α and β are the zeros of $4x^2 - 27x - 40$?

a) 1369/16   b) 139/16   c) 1369/6   d) 19/16

<center>SECTION-B</center>

Q28. **4 Bells toll together at 9.00 am. They toll after 7, 8, 11 and 12 seconds respectively. How many times will they toll together again in the next 3 hours?**

Q29. **Find the largest number which divides 70 and 125, leaving remainders 5 and 8 respectively.**

<center>**OR**</center>   .

Two natural numbers whose sum is 85 and the least common multiple is 102, find them.

Q30. Prove that $(5 + 3\sqrt{2})$ **is an irrational number. Given that** $\sqrt{2}$ **is irrational.**
Q31. Prove that $\sqrt{3}$ **is irrational. OR Prove that** $\sqrt{2} + \sqrt{3}$ **is irrational.**
Q32. If α and β are zeroes of $x^2 - 4x + 1$, then find the value of $1/\alpha + 1/\beta - \alpha\beta$ is

<center>**OR**</center>

If α, β are the zeroes of the polynomial $p(x) = x^2 - 16$, **then** $\alpha\beta(\alpha + \beta)$

Q33. If α, β are zeroes of $x^2 - 6x + k$, what is the value of k if $3\alpha + 2\beta = 20$?

<center>**OR**</center>

Find the value of 'k' such that the quadratic polynomial $3x^2 + (2k+1)x - (k+5)$ has the sum of zeroes as half of their product.

Q34. Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeroes and the coefficient of the polynomial.

Q35. Find the quadratic polynomial, the sum of whose zeroes is 8 and their product is 12. Hence, find the zeroes of the polynomial.

Q.1 Write 20 formula of chemical compounds from chapter 1 and 2.

Q.2 Write 2 chemical equations each for combination, decomposition, displacement, double displacement, redox.

Q.3 A chemical compound x when reacts with hydrochloric acid produces a colourless , odouless gas y which on passing through lime water turns the lime water milky due to formation of z. Identify x,y and z. Write the chemical equations involved .

Q.4 what happens when-(write the observations and equations)

a) lead nitrate is strongly heated in a test tube.

b) Iron is added to copper sulphate solution.

c) Aqueous solution of barium chloride is added to sodium sulphate.

d) copper is strongly heated.

Q.5 what are enzymes? Explain the role of enzymes in our body?

Q.6 Draw labelled diagram of-

A) human digestive system

B) structure of stomata

C) Internal view of leaf

D) human respiratory system

E) human heart

F) human excretory system

Q.7. what is photosynthesis? Write the events occured in photosynthesis.

Q.8 Explain the process of blood circulation in humans.

.Q.9 Read chapter **chemical equation and reaction, life processes** and write 20 MCQ questions with answers.

GEOGRAPHY:

CHAPTER:1-RESOURCESANDDEVELOPMENT

I. Answer the following questions-

1. What is a Resource?
2. What is Sustainable Development?
3. Classification of resources:
    - On the basis of origin
    - On the basis of exhaustibility
    - On the basis of ownership
    - On the basis of status of development
4. Write about the first Earth summit.
5. Write about Agenda-21.
6. Expand-UNCED.
7. What are the three steps involved in resource planning in India?
8. Define the following-
    1. Bangar
    2. Khaddar
    3. Bhabar
    4. Terai
    5. Reh/kallar
- ❖ On an outline physical map of India mark and label:
    MAJOR SOIL TYPES (Textbookpageno:9)

ECONOMICS

CHAPTER1-DEVELOPMENT

1. What is National Income?
2. What is meant by Per capita income?
3. What is Human Development?
4. What is Human Development Index?
5. What is meant by Economic Growth and Economic Development?

6. Expand-UNDP, WDR, IMR, NAR, PDS and HDI.
7. What is Infant Mortality Rate?
8. What is Literacy rate?
9. What is Net Attendance Ratio?
10. Collect latest information related to <u>India</u>:
    A. Infant Mortality Rate
    B. Literacy rate
    C. Rank on Human Development Index
    D. Net Attendance Ratio

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