Summer vacations holiday homework

2019-2020

Class-X ENGLISH

Que.1 Who does lencho have complete faith in?Which sentence in the story tell you this ?

Que.2 What do the military generals do ?How has their attitude changed and why ?

Que.3 Do you think tricki was happy to go home?What do you think will happen now?

Que.4 How does the theif think Anil will react to the theft ?

Que.5 How does a usable say he got in ?

Activity –moral story

<u>हिंदी ग्रीष्मावकाश गृह कार्य कक्षा- 10</u>

- **<u>निबंध</u>**

1. **महानगरों में महिलाओं की सुरक्षा।**
2. **मित्र की परख संकट में।**
3. **मेरी कल्पना का विद्यालय।**

- **<u>पत्र</u>**

1. **आपके क्षेत्र में दिन प्रति दिन महिलाओं और बच्चों की सुरक्षा को लेकर परेशानियां बढ़ रहीं हैं । जिले के पुलिस अधीक्षक को पत्र लिखकर इस समस्या से अवगत कराइए।**

2. **ग्रीष्मावकाश के दौरान आप शिमला घूमने गए हैं, वहां के प्राकृतिक सौंदर्य का वर्णन करते हुए अपने मित्र को पत्र लिखिए।**

- **<u>व्याकरण</u>**

<u>(सभी को परिभाषा एवं उदाहरण सहित लिखिए)</u>

1. **रस के सभी भेदों के दो दो उदाहरण**

लिखिए।

2. संज्ञा एवं उसके भेद।

3. सर्वनाम और उसके भेद।

4. विशेषण और उसके भेद।

5. क्रिया विशेषण और उसके भेद।

6. अपठित गद्यांश और पद्यांश का अभ्यास।

7. सूरदास के पद, नेताजी का चश्मा और बालगोबिन भगत पाठों की पुनरावृत्ति।

SUMMER VACATION HOME WORK
CLASS – X
SCIENCE

Note: - Make an activity notebook of 150 pages and do homework on it.

Q1:- Learn exercises of chapter - Chemical reaction and equation and Chapter- Life processes.

Q2:- Do practice of drawing of different organ system

  a) digestive system.

  b) Respiratory system

  c) Circulatory system

  d) Excretory System

Q3:- Make a science project (model or investigatory) for science exhibition on any of the following theme.

a) Energy   b) Agriculture   c) Waste management and water body conservationd) Digital and technological solution   e) Health and wellbeing

Q4:- Explain effect of depletion of ground water. Collect information about different techniques of ground water recharge.

HOLIDAY HOME WORK (SSt)
Class 10th (A,B,C)

1 Write about
   a) Impact of first world war,khilafat ,non-cooperation movement
   b) Salt Satyagraha, Civil Disobedience
2 Write summery on Resources and Development
3 Write about Power Sharing.
4 Write about
   a. Literacy rate,
   b. Per capita income.
   c. Net attendance Ratio
   d. Infant mortality rate

Holiday Homework 1
Class: X: Mathematics

Assignment :(To be done in a separate notebook)
Q1. Using Euclid's division algorithm, find the HCF of the following.
(a) 1288, 576 (b) 155, 1305
Q2. If the HCF of 210 and 55 is expressible in the form $210 \times 5 + 55y$, find y.
Q5. The HCF of two numbers is 145 and their LCM is 2175. If one number is 725, find the
other.
Q6. The product of two numbers is 20736 and their HCF is 54, find their LCM.
Q7. State the fundamental theorem of Arithmetic.
Q8. Check whether 5n can end with the digit 0 for any natural number n.
Q9. Show that square of an odd positive integer is of the form $8q + 1$, for some positive
integer q.
Q10. Prove that $5 + 2\sqrt{3}$ is an irrational number.
Q11. If $(x + k)$ is a factor of $2x^2 + 2kx + 5x + 10$, find k.
Q12. If α and β are the zeroes of the polynomial $p(x) = 3x^2 - 5x + 6$, find
(i) $(\alpha / \beta) + (\beta / \alpha)$ (ii) $\alpha^3 + \beta^3$
Q 13 Find the quadratic polynomial whose zeroes are   4 and -3.
Q14. If '1' is one of the zeroes of the polynomial $p(x) = 7x - x^3 - 6$ find its
other zeroes.
Q15. If the sum of the zeroes of the quadratic polynomial $kx^2 + 2x + 3k$ is equal to their
product, find k.

Q16. Find the polynomial whose zeroes are reciprocals of the zeroes of the polynomial
$2x^2 + 3x - 6$.

Q17. If α, β and γ are the zeroes of the cubic polynomial $p(x) = 3x^3 - 6x^2 + 5x - 3$, then,
find their sum and product.

Q18. Divide $3 - x + 2x^2 + x^3 - 3x^4$ by $(2 - x)$ and verify by division algorithm.

Q19 Find all the zeroes of the polynomial $p(x) = x4 - 7x^3 + 9x^2 + 13x - 4$, if two of its zeroes
are $2 + \sqrt{3}$ and $2 - \sqrt{3}$.

Q20. What must be subtracted from $8x4 + 14x^3 - 2x^2 + 7x - 8$ so that the resulting polynomial
is exactly divisible by $4x^2 + 3x - 2$.

Q21 Determine the value of k for which the given system of equations has unique solution:
a) $2x - 3y = 1$; $k x + 5y = 7$ b) $4x - 5y = k$; $2x - 3 y = 12$

Q22 Find the value of k, for which the system of equations has infinitely many solutions.
a) $2x - 3y = 7$; $(k+2) x - (2k+1) y = 3(2k-1)$
b) $x + (k+1) y = 5$; $(k+1) x + 9 y = 8k - 1$

Q23 Find the value of 'k' so that the following system of equations has no solution.
a) $(3k+1) x + 3y - 2 = 0$; $(k^2+1) x + (k - 2) y - 5 = 0$

Q24 Solve the following system of equations
(a) $(2u+v) = 7uv$, $3(u+3v) = 11uv$ 4) $2x+y - 3=0$, $2x - 3y - 7= 0$
(b) $x + y = a + b$, $ax - by = a^2 - b^2$
(c) $(a + 2b)x + (2a - b)y = 2$, $(a - 2b)x + (2a + b)y = 3$

Q25 Represent the following equations on the graph and determine the vertices of the triangle,
so formed .
a) $2y - x = 8$, $5y - x = 14$, $y - 2 x = 1$
b) $y = x$, $y = 0$, $3x + 3y = 10$

Q26 Draw the graph of $x - y + 1 = 0$ and $3x + 2y - 12 = 0$. Calculate the area of the triangle
bounded by these lines and the x-axis.

Q27. Solve the system of equations $x - y = 1$, $2x + y = 8$ graphically .Shade the area bounded
by these lines and x-axis. Also find its area.

Q28. A man has belts and handkerchiefs which are together 40 in number. If he had 5 more
handkerchiefs and 5 less belts, the number of handkerchiefs becomes four times the
number of belts. Find the original number of each.

Q29.The age of father is twice the sum of ages of his two children. Ten years hence, the age
of father will be three-quarter of the sum of the ages of his children then. Find the
present age of father.

Q30. The numerator of a fraction is 4 less than its denominator. If the numerator is decreased
by 2 and the denominator is increased by 1,the denominator becomes 8 times its numerator. Find the fraction.