

ARMY PUBLIC SCHOOL KANPUR
HOLIDAY HOMEWORK
CLASS : X

ENGLISH :

NOTE: All the work (Q. No. 1, 2 & 3) must be done in one separate file. Holiday H.W. done in the classwork note books will not be accepted.

1. Read autobiography of "NELSON MANDELA: A LONG WALK TO FREEDOM". After reading the book write the book review. After summer vacation listening activity based on the above book will be organized.
2. Write an autobiography of your own with images. Write the journey of your life till date.
3. Prepare a dictionary having minimum 10 words of each letter. The word must be new and concrete. Write their meaning too.

HINDI :

1. विद्यालय की हिंदी पत्रिका (school magazine) के लिए कवर पेज तैयार कीजिए।
1. देश प्रेम विषय पर कविता लिखिए।
2. अपनी रुचि अनुसार किसी भी एक खेल के विषय में विस्तार से लिखिए।
3. किसी एक लेखक या लेखिका / कवि या कवयित्री के बारे में लिखिए।

नोट- उपर्युक्त कार्यों के लिए आवश्यकतानुसार चित्रों का प्रयोग भी करिए।

और इसी से एक पोर्टफोलियो तैयार करिए जिसमें प्रथम पृष्ठ आपके अपने बारे में होना चाहिए।

MATHEMATICS :

Solve these questions in separate in thin note book

1. Find the largest number which divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
2. Two tankers contain 850 litres and 680 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil of both the tankers when used an exact number of times.
3. In a morning walk, three persons step off together. Their steps measure 80 cm, 85 cm and 90 cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?
4. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.
5. The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.
6. 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 a.m., at what time will they change simultaneously again?
7. Find the zeroes of the quadratic polynomial $6x^2 - 7x - 3$ and verify the relationship between the zeroes and the coefficients.
8. Find the zeroes of the polynomial $x^2 + 1/6x - 2$ and verify the relation between the coefficients and the zeroes of the polynomial.
9. Find the zeroes of the quadratic polynomial $x^2 + 5x + 6$ and verify the relationship between the zeroes and the coefficients.
10. Find a quadratic polynomial, the sum and product of whose zeroes are 2 and 3

11 . If one zero of the quadratic polynomial $x^2+3x +k$ is 2, then find the value of k

Solve for x and y:

12 . $11x + 15y + 23 = 0$; $7x - 2y - 20 = 0$.

13 . $2x + y = 7$; $4x - 3y + 1 = 0$.

14 . $23x - 29y = 98$; $29x - 23y = 110$.

15 . Find the value of k, so that the following system of equations has no solution: $3x - y - 5 = 0$; $6x - 2y - k = 0$.

16 . Find the value of k, so that the following system of equations has a non-zero solution:

$3x + 5y = 0$; $kx + 10y = 0$.

17 . Solve the following system of linear equations graphically:

$2x - 3y - 17 = 0$, $4x + y - 13 = 0$

Shade the region bounded by the above lines and x-axis.

18 . Solve the following system of linear equations graphically: $2x + 3y - 4 = 0$, $3x - y + 5 = 0$ Shade the region bounded by the above lines and y-axis

2 Draw ppt on any topic Chapter 1 to 4 in maximum 15 slides

3 Activity

(I) Draw a parabola of a quadratic equation

(ii) To obtain zero of linear polynomial geometrically

4 Write and learn all formulas from chapter 1 to 5

5) Frame 5 -5 word questions on the chapter 3 and 4

SCIENCE :

1. Make a PPT on any topic from the Chapter: Management of Natural Resources (Minimum 20 slides)
2. This will be assessed as your Portfolio (Internal Assessment)
3. Revise the chapters completed in the classes thoroughly for UT-1

SOCIAL SCIENCE :

Make any one project on the following topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

SANSKRIT :

- 1-संख्या रूप " एकः, द्वि, त्रि, चतुर, (लिंग के अनुसार) कण्ठस्थ करना व लिखकर लाना ।
- 2- राम, मुनि, लता, पिता, माता, साधु, नदी, किम् (पु, स्त्री, नपुं,) के शब्द रूप कण्ठस्थ करना व लिखना।
- 3-सेव (आत्मनेपद), गम्, कृ, पठ, भू (पांचो लकारों में) कण्ठस्थ करना व लिखकर लाना ।
- 4-भारतीय महीनों के नाम लिखकर लाना व याद करना ।
- 5-अपने आदर्श पर संस्कृत में एक लघु कथा लिखे ।

ART AND CRAFT

- 1) Make a creative year timeline showing “India’s race to 100 Unicorn Startups”.
- 2) Design a single flash card based on any topic.
- 3) Draw and shade 5 animals.
- 4) Illustrate your favourite Manga or Disney character.
- 5) Make a Mandala or Lippan Art.

Things to note:

- a) Present your work neatly.*
- b) Don't use tape for border.*
- c) Write your name, class and section in proper alignment on the back side of paper.*