

# **R.P.S. GIRLS' PUBLIC SCHOOL**

Saguna Khagaul Road, Danapur – 801503

## **SUMMER VACATION HOMEWORK**

### **STD - X**

#### **SUBJECT - COMPUTER**

1. Do all the question and answer of chapter1.
2. Prepare notes of chapter 1 in your computer notebook.
3. What are the components of a website?
4. What is a URL? What are its components? Exemplify.
5. What is blogging? What are its advantages and disadvantages?
6. What are the two parts of an e – mail address? Which character is used to separate these two parts?
7. What do you understand by video conferencing? What all things must be installed on your computer in order to have video conferencing?
8. Name some protocols that are used for remote logging on a server.
9. Why is SFTP called a secure protocol?

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## **SUMMER VACATION HOMEWORK**

### **STD - X**

#### **SUBJECT - ENGLISH**

- First flight - Read Chapter – A Tiger in the Zoo, Chapter 3, How to Tell Wild Animals, The Ball Poem, Chapter 4, Amanda, Chapter 5 & 6.
- Foot prints without feet - Read Chapter 2 to 6
- Grammar- Revise the notes given in class from your Std IX's copy ( Tenses, Modals, Use of Passive Voice, Subject Verb Concord, Reporting, Clauses, Determiners & Prepositions.
- Evergreen practice paper - Do the following in book-  
Reading Section A- Test Assignment 1 to 15  
Writing & Grammar Section B- Test Assignment 1 to 3, 7 & 8, 9 & 10, 13 to 15. Pages 167 to 186.  
Section C- Literature- Pages 210 to 222, 296 to 308, 373 to 376.

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## **SUMMER VACATION HOMEWORK**

### **STD - X**

#### **SUBJECT - HINDI**

- izLrqr ifBr xn~;ka'k fgUnh dh xn~; [kaM mÙkj iqfLrdk esa djsaA

ckj&ckj lksprs] D;k gksxk ml dkSEk dk tks vius ns'k dh [kkfrj ?  
kj&x`gLFkh&tokuh ftanxh lc dqN gkse dj nsusokyksa ij Hkh gilrh gS  
vkSj vius fy, fcdus ds ekSds <wi<+rh gSA nq%[kh gks x,A ianzg fnu  
ckn fQj mlh dLcs ls xqtjsA dLcs esa ?kqlus ls igys gh [k;ky vk;k fd  
dLcs dh g`n;LFkyh esa lqHkk"k dh izfrek vo'; gh izfr"Bkfir gksxh]  
ysfdu lqHkk"k dh vki[kksa ij p'ek ugha gksxkA -----D;ksafd ekLVj  
cukuk Hkwy x;kA ---- vkSj dSIvu ej x;kA lkspk] vkt ogki :dsaxs ugha]  
iku Hkh ugha [kk,ixsa] eqwfrZ dh rjQ ns[ksaxs Hkh ugha] lh/ks fudy  
tk,ixsa Mªkboj ls dg fn;k] pkSjkgs ij :duk ugha] vkt cgqr dke gS] iku  
vkxs dgha [kk ysaxsA

iz0&v& gkyknj lkgc ds nq%[kh gksus dk D;k dkj.k Fkk\

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iz0&l& gkyknj lkgc dh n`f"V ls dSIh dkSe ns'k dk vfgr djus okyh gksrh  
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- d{kk esa i<+k;s x;s ^xn~; [kaM\* ,oa ^dkO; [kaM\* ds ikBksa dks ;kn  
djsaA
- fuEufyf[kr fo"k;ksa ij fuca/k O;kdj.k dh mÙkj iqfLrdk esa fy[ksA

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ladsr fcanq & izLrkouk

- 'kgjksa esa tula[;k o`f) ds dkj.k
- 'kgjhdj.k dk dqizHkko

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- milagkj

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- Hkz"Vkpkj D;k gS\
- Hkz"Vkpkj ds fofo/k :lk
- Hkz"Vkpkj dh O;kidrk
- fuokj.k ds mik;
- milagkj

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- vyadj ,oa mlds Hksnks dk ifBr vH;kl djsaA

➤ ernku vf/kdkjksa ds izfr tkx:d djus ds fy, eq[; fuokZpu vf/kdkjh dk;kZy; dh vksj ls lepkj&i= esa 25&50 'kCnksa esa ,d vkd"kZd foKkiu fyf[k,A  $\frac{1}{4}O$ ;kdj.k dh dkWih esa $\frac{1}{2}$

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## **SUMMER VACATION HOMEWORK**

### **STD - X**

#### **SUBJECT - MATHS**

- To find the H.C.F of two numbers experimentally based on Euclid division lemma.
- To Draw the graph of a Quadratic polynomial and observe
  - a) Shape of curve when coefficient of  $x^2$  is positive.
  - b) Shape of curve when coefficient of  $x^2$  is negative.
  - c) its number of zeroes.
- Problems : Find the values of a and b so that  $x^4 + x^3 + 8x^2 + ax + b$  is divisible by  $x^2 + 1$ .
- If  $\alpha$  and  $\beta$  are zeroes of the quadratic polynomial  $f(x) = 3x^2 - 4x + 1$ ,

find the quadratic polynomial whose zeroes are  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  and  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

- If the polynomial  $bx^4 + 8x^3 + 17x^2 + 21x + 7$  is divided by another polynomial  $3x^2 + 4x + 1$  the remainder comes to be  $ax + b$  find a and b.
- What must be added to  $f(x) = 4x^4 + 2x^3 - 2x^2 + x - 1$  so that resulting polynomial is divisible by  $g(x) = x^2 + 2x - 3$ .
- If  $\alpha$  and  $\beta$  are zeroes of the polynomial  $f(x) = 2x^2 + 5x + k$  satisfying

the relation  $\alpha^2 + \beta^2 + \alpha\beta = \frac{-b^2 - 4ac}{4a}$  then find the value of k for this to be

possible.

- Find all the zeros of the polynomial  $f(x) = 2x^4 - 3x^3 - 3x^2 + 6x - 2$ , If two its zeroes are  $j2$  and  $-j2$ .

- Prove that for any prime positive integer  $P$ ,  $\sqrt{P}$  is irrational.
- 9. let  $a, b, c, d$  be positive rational such that  $a + \frac{b}{c} = c + \frac{d}{a}$  then either  $a = c$  and  $b = d$  or  $b$  and  $d$  are squares of rational.
- 10. Show that there is no positive integer  $n$  for which  $\frac{1}{n} = \frac{1}{n+1} + \frac{1}{n+2} + \dots + \frac{1}{2n}$  is rational.
- 11. If  $d$  is the H.C.F of 56 and 72, find  $x, y$  satisfying  $d = 56x + 72y$ . Also show that  $x$  and  $y$  are not unique.
- Has the rational number  $\frac{11}{25 \cdot 55 \cdot 55}$  a terminating or no terminating decimal representation?
- $\alpha, \beta$  are the zeroes of a polynomial such that  $\alpha + \beta = -6$  and  $\alpha\beta = -4$ , write the polynomial.
- Find the zeroes of the polynomial  $f(x) = 4x^2 + 5x - 2$  and verify the relationship between zeroes and its coefficients.

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## **SUMMER VACATION HOMEWORK**

**STD - X**

**SUBJECT - SCIENCE**

### **Biology**

- Write In Biology Practical Copy.
  - (a) Study Of Distribution Of Stomata On Upper And Lower Surface Of Leaves.
  - (b) Demonstrate That Carbon Dioxide Is Given Out During Respiration Of Plants.
- Draw Human Alimentary Canal On A Chart Paper.
- Draw Sectional View Of The Human Heart On The Chart Paper.
- Write In Text Question And Answer Of Chapter 6 Life Processes.
- Write Question And Answer Of Chapter 6 Life Process Given On Page 113 Book N.C.E.R.T (Science X).

### **Chemistry**

- Draw the flow chart on A4 size paper based on the type of Chemical Reaction, Along with each example.
- With help of Activity explain that Hydrogen and Oxygen are released when an electric current is passed.
- Write 20 work chemical equation and the balanced chemical equation.

### **Physics**

**NCERT book:**

Questions : 1,2,3 Page no. 200

Page No. 202 : 1,2,3 (questions)

Page No. 209 : 1,2,3,4,5 (questions)

Page No. 213 : 1,2 (questions)

Page No. 216 : 1,2,3,4 (questions)

Page No. 216 : 1,2,3 (questions)

Page No. 220 : 1,2 (questions)

Text Questions Page No. 221, 222



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## **SUMMER VACATION HOMEWORK**

### **STD - X**

#### **SUBJECT - S.ST**

##### **History**

- Do all question and answer of chapter 1 and learn it.
- Prepare notes of chapter 1 in your history notebook.
- Prepare a flow chart to show how Britain's decision to import food led to increased migration America and Australia.

##### **Geography**

- Do all question and answer of chapter 1 and learn it.
- Prepare notes of chapter 1 in your notebook.
- Make a project showing consumption and conservation of resources in your locality.
- Do all map work related to this chapter in your notebook.

##### **Civics**

- Do all question and answer of chapter 1 and 2 learn it.
- Prepare Notes of chapter 1 and 2 in your notebook.
- "Sharing of power makes a country more powerful and united" do you agree with the statement and why?

##### **Economics**

- Do all question and answer of chapter 1.
- Prepare notes of chapter 1 in your notebook.
- With the help of an example, show how two groups may have different notions of development.

