R.P.S. GIRLS' PUBLIC SCHOOL

Saguna Khagaul Road, Danapur – 801503

SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – COMPUTER

1. Make a project in Ms word, 'write 150 words on any interesting topic which you like the most' apply all type

    of formatting and attach print out of your document. Write steps in your own words and also attach with

    this project.

2. Aradhana is word processing her chemistry coursework. She wishes to include her roll number in a header

    and page numbers in a footer. Write the steps of apply this formatting.

3. Learn questions answer of solved sets.

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SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – ENGLISH

- ➢ Beehive - Read Chapter 2 to 5, Wind, Rain on the Roof & Lake, Isle of Innisfree.
- ➢ Moments - Read Chapter 2 to 5.
- ➢ Grammar - Revise Tenses, Active & Passive Voice, Direct & Indirect Speech, Verbs, Modals & Determiners.
- ➢ Evergreen practice book- Do the followings in the book:
  Reading Section A - Test Assignment 1 to 15
  Writing & Grammar Section B- Pages 121 to 128, 132 to 135, 139 to 150, 155 to 157, 216 to 221, 294 to 299, 364 to 367.

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SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – HINDI

➢ ifBr xn~;ka'k dks fgUnh xn~; [kaM dh mÙkj iqfLrdk esa djsaA

nksuksa fe=ksa dks thou esa igyh ckj ,slk lkfcdk iM+k fd lkjk fnu chr x;k vkSj [kkus dks ,d frudk Hkh u feykA le> gh esa u vkrk Fkk] ;g dSlk Lokeh gSA blls rks x;k fQj Hkh vPNk FkkA ;gki dbZ HkSls Fkh] dbZ cdfj;ki] dbZ ?kksMs+] dbZ x/ks] ij fdlh ds lkeus pkjk u Fkk] lc tehu ij eqjnksa dh rjg iM+s FksA dbZ rks brus detksj gks x, Fks fd [kM+s Hkh u gks ldrs FksA lkjk fnu nksuksa fe= QkVd dh vksj VdVdh yxk, rkdrs jgs] ij dksbZ pkjk ysdj vkrk u fn[kkbZ fn;kA rc nksuksa us nhokj dh uedhu feV~Vh pkVuh 'kq: dh] ij blls D;k r`fIr gksrh\

jkr dks Hkh tc dqN Hkkstu u feyk] rks ghjk ds fnu esa fonzksag dh Tokyk ngd mBhA eksrh ls cksyk& vc rks ugha jgk tkrk eksrh!

eksrh us flj yVdk, gq, tckc fn;k& eq>s rks ekywe gksrk gS] izk.k fudy jgs gSA

iz0&v& ghjk& eksrh dks dgkWa can fd;k x;k\ ogkWa vkSj dkSu& dkSu ls i'kq Fks \

iz0&c& dkath gkSl esa Ik'kqvksa dh fLFkfr dSlh Fkh\

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➢ ifBr dkO;ka'k dks fgUnh dkO; [kaM dh mÙkj iqfLrdk esa djsaA

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uk eS nsoy uk eSa elftn] uk dkcs dSykl esaA

[kksth gks; rks rqjrS fefy gkS] iy Hkh dh rkykl esaA

dgS dchj lquks HkbZ lk/kks] lc LokWlksa dh LokWal esaAA

iz0&d& dkO;ka'k esa ^eSa* rFkk ^rsjs* 'kCn dk iz;ksx fdlds fy, fd;k x;k gS \

iz0&[k& euq"; bZ'oj dks dgkWa&dgkWa <wWa<rk gS\

iz0&x& ^cans* dgdj dfo fdls lacksf/kr dj jgk gS\

iz0&?k& bZ'oj dk fuokl dgkWa crk;k x;k gS \

iz0&M& iyHkj dh ryk'k esa dkSu fdldks fey tkrk gSA

➢ iqfLrdk ls i<+k;s x;s ikBks dk ifBr vH;kl djsaA
➢ ^O;kdj.k* dh mÙkj iqfLrdk esa nl&nl milxZ] izR;; fy[kdj muds nl mnkgj.k Hkh fy[ksaA
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➢ fuEufyf[kr fo"k; ij ladsr fcanq ds lkFk fuca/k ys[ku djsaA ¼O;kdj.k dkWih esa½

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- ljdkj rFkk ukxfjdksa ds drZO;

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SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – MATHS

➢ To construct a square root spiral and obtain approximate value of   ,

       ,   , using it.

➢ If both a and b are rational numbers, find the value a and b in

$$\frac{\sqrt{2}+\sqrt{3}}{3\sqrt{2}-2\sqrt{3}}=¿ \quad a -$$

➢ If x = 2 +   , find the value of $x^2 + \frac{1}{2}$

➢ If x = $\frac{1}{2-\sqrt{2}}$, find the value of $x^3 - x^2 - 7x + 5$

➢ Evaluate : $\frac{10}{\sqrt{18}-\sqrt{20}+\sqrt{5}-\sqrt{40}+\sqrt{80}}$ is being given that   = 3.162.

➢ If $2^x = 3^y - 6^{-z}$ show that $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 0$

➢ If the polynomials $2x^3 + ax^2 + 3x – 5$ and $x^3 + x^2 – 4x + a$ leave the same reminder when divided by

x – 2 , find the value of a.

➢ Find the values of a and b so that $(x + 1)$ and $(x – 1)$ are factors of $x^4 +$ $ax^3 - 3x^2 +2x + b$.

➢ Let R_1 and R_2 are the remainders, when the polynomials $x^3 + 2x^2 –$ $5ax – 7$ and $x^3 + ax^2 – 12x + 6$ are divided by $x + 1$ and $x – 2$ respectively if $2R_1 + R_2 = 6$. Find the value of a.

➢ If both $x – 2$ and $x - \frac{1}{2}$ are factors of $Px^2 + 5x + r$ show that $P = r$.

➢ Factorise:-

      (a) $x^2 + 47x +550$ (b) $2x^2 +3 \quad x + 5$ (c) $2x^2 \quad \frac{1}{2} x +$

$\frac{1}{12}$ (d) $5 \quad x^2 + 33x + 8$

      (e) $2x^2 – x + \frac{1}{2}$ (f) $84 – 2x – 2 x^2$ (g) $2x^2 – \quad x – 7$

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SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – SCIENCE

Biology

➢ **Write in biology practical copy.**
1. To prepare a temporary stained slide of onion bulb peel and study the structure of plant cell.
2. To prepare a temporary stained mount of check squamous epithelial cells of man.

➢ **Write in note book.**

Write question and answer given on page 59, 61, 65 f chapter 5.The fundamental unit of life.

Project work – draw plant and animal cell on a chart paper.

Paste – photograph related to biology.

a. Events which occur in this field. (may / Jun)
b. The place where you visit in the month of May / June.

Chemistry

➢ Write the five names of sublimates.
➢ Describe the activity to determine Boiling point & Melting Point of Ice.
➢ Tabulate the differences in the characteristics of the three states of matter.

Physics

➢ Prove the Equation of motion by graphical method [with the help of graph paper]

a) $v = u + at^2$

b) $S = ut + \frac{1}{2}at^2$

c) $V^2 = u^2 + 2as$

➤ Draw the graphs : [activity based]

    a) distance – time graphs different situation on the graph paper.

    b) Velocity – time Graphs different situation on the graph paper

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SUMMER VACATION HOMEWORK

STD – IX

SUBJECT – S.ST

History

- ➢ Do all question and answer of chapter 1 learn it.
- ➢ Prepare notes of chapter 1 in your history notebook.
- ➢ Explain the meaning of the painting of the declaration of Rights to man and citizen by reading only the symbol.
- ➢ Draw up a list of Democratic right we enjoy today whose origins could be traced to the French Revolution.

Geography

- ➢ Do all question and answer of chapter1 learn it.
- ➢ Prepare notes of chapter 1 in your notebook.
- ➢ Do all map work related to chapter 1 in your notebook.
- ➢ Collect information about "silk route" also find out the new development which are improving communication routes in the regions of high attitude.

Civics

- ➢ Do all question and answer of chapter 1 learn it.
- ➢ Prepare Notes of chapter 1 in your civics notebook.
- ➢ Democracy allows people to correct their own mistakes support the given statement.
- ➢ Compare the democratic system in China with Mexico.

Economics

- ➢ Do all question and answer of chapter 1 learn it.

- Prepare notes of chapter 1 in your notebook.
- Explain the economic conditions of the village palampur. With the help of pictures.
- Collect all the information regarding "Green Revolution".