**HOLYDAY ASSIGNMENT**

 **CLASS X MATHEMATICS**

1. **Write an assignment on the topic of “ GST”**
2. **Solve the following .**
3. If P = $\left[\begin{matrix}6&-2\\4&-6\end{matrix}\right]$ , Q = $\left[\begin{matrix}5&3\\2&0\end{matrix}\right]$, find X such that 3P – 2Q + 3X = 0.
4. Solve for A and B , when 2A + B = $\left[\begin{matrix}3&-4\\2&7\end{matrix}\right]$ and A – 2B = $\left[\begin{matrix}4&3\\1&1\end{matrix}\right]$
5. If A = $\left[\begin{matrix}1&4\\2&1\end{matrix}\right]$, B = $\left[\begin{matrix}-3&2\\4&0\end{matrix}\right]$, C = $\left[\begin{matrix}1&0\\0&2\end{matrix}\right]$,simplify A2 + BC.
6. If P = $\left[\begin{matrix}1&2\\2&-1\end{matrix}\right]$ and Q = $\left[\begin{matrix}1&0\\2&1\end{matrix}\right]$, then compute (i) P2 – Q2  (ii) (P + Q)(P - Q)

Is (P + Q)(P - Q) = P2– Q2 true for matrix algebra?

**Computer Holiday Assignment Class X**

**CLASS -X**

1**.**Write a program to accept a number and check whether it is an even or an odd number.

 2. Write a program to calculate the sum of first n natural numbers by using While loop.

 3.Write a program to print the table of 5 in the table format using do-while loop.

 4.Write a program to print the following series by using for loop.

 2 5 10 17 26 ……….101

 5.Write a program in java to accept a number and check whether the number is palindrome or not.

 6.Write a java program to do all basic arithmetic operations with the concept of functions.

HOLIDAY ASSIGNMENT

SUBJECT: CHEMISTRY

1. **CLASS – X**
2. Explain ‘Electrolysis of water’ with labelled diagram.
3. Make a chart on the topic ‘ properties and comparison of electrovalent and covalent compounds.
4. Differentiate the characteristics of acids, bases and salts .
5. Write the balanced equation of the reaction of five active metals with caustic alakali.
6. Calculate the relative molecular mass of ;
7. Potassium chlorate
8. Ammonium chloroplatinate (NH4)2 PtCl6
9. Sodium acetatae
10. Ammonium dichromate
11. Blue vitriol
12. Chloroform or trichloromethane
13. Differentiate organic compounds and inorganic compounds. Name few sources of organic compounds.
14. What is organic chemistry? Give the various applications of organic chemistry.
15. Organic chemistry plays a key role in all wals of life. Discuss
16. Methane is a green house gas. Comment.

**Holiday Assignment**

**Class:10**

**Subject : History**

1. Present a life sketch and contributions of Dr. A.P.J. Abdul Kalam .
2. Prepareareport on the contributions of UNESCO, WHO.
3. Compare the Parliamentary andPresidential formsof Government with reference to India and the U.S**.A.**

**Holiday Assignment**

**Class : 10**

**Subject : Geography**

1. Prepare a project work on Transport in India : Development of Road, Rail,Water and Air Routes.
2. Prepare a report on : Need for industrialization in India, the latest trends and its impact on economy of India.

**Class 10 Biology Holiday Assignment**

POLLUTION:Types& Effects

(prepare a project  of minimum10 pages, including pictures drawing s etc.The information should be neatly hand written,fixed in a paper file.). information can be collected from ICSE Biology text and websites Wikipedia,online. encyclopedia etc
Note : Follow same pattern you have done in class 9