

## SUMMER HOLIDAYS HOMEWORK

### CLASS X

#### • English

1) Design your own newspaper

**How to do :-** The newspaper should have following sections

1. Facts and figures of English language
2. Creative Corner- Your classroom poetry or story
3. Quotes- By famous poets with their names
4. Entertainment
5. Games & Puzzle- based on tenses, verbs, prepositions or conjunctions. (Any one)  
For example -Snakes & Ladder on prepositions.

**Where to do :-** A3 Size sheets (Min. 5 pages)

**Parameters for Assessment:-** Quality of content, originality and presentation

2) Read any one novel of your choice and write the review.

**How to do :-** The review is to be written in 250-300 words keeping in mind the given aspects:

- About the Writer
- Summary
- Favourite character
- Analysis

**Where to do:-** A4 Size sheets

**Parameters for Assessment:-** Content, language and accuracy

3) Make a video presentation. Record in your voice any poetry, story, write up, any summary of story from your story book in interesting way.

**Criteria :-**

- Voice Modulation
- Vocabulary
- Intonation
- Confidence

**Recording should be of 3 – 4 mins.**

**Send on WhatsApp 9997666116 / email – priyakalra1972@ gmail.com**

#### • Hindi

निम्नलिखितविषयोंपररंगीनचित्रोंसहितलगभग 50

शब्दोंमेंसुंदरवआकर्षितविज्ञापनड्राइंगशीटपरतैयारकीजिए.....

1. महामारीकोविड -19(कोरोना)

सेबचावकेउपायोंकीउपलब्धताकोकमदामोंपरप्राप्तकरानेकेलिएएकविज्ञापन।

2. पर्यावरणकेप्रतिजागरूकताबढ़ानेकेलिएएकविज्ञापन।

## • SST

### **DISASTER MANAGEMENT – PROJECT WORK**

As per CBSE guidelines, students of Class X have to submit a handwritten project on any one of the related topics as given by cbse. Students are requested to utilise their summer vacation to complete this project.

TOPIC OF THE PROJECT - select any one of the following theme:

A. Consumer awareness

B. Social issues

C. Sustainable development

#### **GUIDELINES FOR SUBMITTING THE PROJECT**

- Use A4 size sheets
- It should be a hand written project (blue or black pen should be used)
- You can use newspaper clippings, maps, diagrams and material from the web
- Each illustration should be supported with a write up/relevance to the topic
- The cover page should be written in bold letters with the topic, name and roll

number Follow the sequence of pages as given below:

a. Acknowledgement

b. Index

c. Define the topic (describe in 2 pages with illustrations)\*

d. Causes (Illustrations)\*

e. Extent or scope

f. Who is responsible(illustrations)\*

g. Steps taken by the Govt. to combat it(illustrations)\*

h. Organisations working to help the people(illustrations)\*

i. Lessons learnt(illustrations)\*

j. Bibliography

\*Maps, pictures, graphs, etc.

- Use hard bound cover pocket file or get your project spiralbound.

## ● **MATHS**

- To verify the all conditions for consistency of a system of linear equations in two variables by graphical representation. In Graph notebook.
- Make a mind map of chapter 1 real number, chapter 2 polynomials, chapter 3 linear equation in two variables . Do this in Seprate notebook

### **ASSIGNMENT**

#### **(DO THIS ASSIGNMENT IN MATHS NOTEBOOK)**

1. Show that one and only one out of  $n$ ,  $n+2$  and  $n+4$  is divisible by 3, where  $n$  is any integer.
2. Use Euclid's division algorithm to show that square of any positive integer is either of  $3m$  or  $3m+1$  for some integer  $m$ .
3. Find the largest 3- digit number which is divisible by 12, 15, 18 and 20 leaving remainder 5 in each case.
4. In the morning walk three persons step of together. They step 80 cm, 85 cm and 95 cm respectively. What is the minimum distance each should walk so that he can cover distance in complete steps.
5. Find the largest positive integer that divide 398, 436 and 542 leaving remainder 7, 11 and 15 respectively.
6. Find the H.C.F of 65 and 117 and express it in the form of  $65m + 117n$ .
7. If  $d$  is the H.C.F of 56 and 72, find  $x$  and  $y$  satisfying  $d = 56x + 72y$ .
8. Express the H.C.F of 465 and 222 as  $468x + 222y$ , where  $x$  and  $y$  are integers.
9. Is it possible that two numbers have 16 as their H.C.F. and 380 as their L.C.M.

10. The length, breadth and height of a room is 8 m 25 cm, 6 m 75 cm and 4m 50 cm respectively. Find the length of the longest rod which can measure the dimensions of the room exactly.

11. For any positive integer 'n' prove that  $n^3 - n$  is divisible by 6.

12. Prove that one and only one out of  $n$ ,  $n + 2$ ,  $n + 4$  is divisible by 3, where  $n$  is any positive integer.

13. If  $n$  is a positive odd integer, then show that  $n^2 - 1$  is divisible by 5.

14. Prove that one of any three consecutive positive integer must be divisible by 3.

15. If the H.C.F of 65 and 117 is expressible in the form of  $65m - 117$ , find the value of  $m$ ?

## ● SCIENCE

### ● CHEMISTRY

**Note: Do this Holiday homework in homework note book**

1. Write the chemical formula of the following compounds. (i) Lime (ii) Nitric Acid (iii) Plaster of Paris (iv) Sodium acetate (v) Baking soda (vi) Washing soda (vii) Bleaching powder (viii) King of chemical (ix) Lime stone (x) Common Salt

2. Write the formula of acid and base used to form the given salts. (i) Potassium Sulphate (ii) Zinc Chloride (iii) Ammonium Chloride (iv) Barium Sulphate.

3. Write the name of acid present in the following. (i) Apple (ii) Curd (iii) Vinegar (iv) Lemon (v) Orange (vi) Bee sting (vii) Tamarind

4. Write the name of some (at least 10) chemical compounds that you use in your day to day life. Classify them as acids, bases and salts.

5. Makemind maps for ch 1 and ch 2.

### ● PHYSICS

- Explanation should be given by using graphs and figures. Formula must be written with usual standard notations in the form of 'Project or Activities or Power Point Presentation'. All representation to be done.
- Project 1-To study the Dispersion of White Light by a Glass Prism

- Project 2-Methods of correcting Myopia &Hypermetropia Vision Defects with the help of ray diagrams.
- Project 3-Power Point Representation of Ohm's Law With Circuit Diagram & Voltage vsCurrent Graph

## ● **BIOLOGY**

- **Activity 1: Read ch life processes and make 80 MCQs**
- **Answer the following question**
- **Activity 2: Make an investigatory project on " Heart Attack" or "Kidney failures" emphasizing on following points**
  - **A. Disease and its causes**
  - **B. Symptoms**
  - **C. Precautionary measures**
  - **D. Treatment**
  - **E. Case study**
- **Instructions: write it in your own handwriting.**
- **Paste concern colourful pictures.**