HOLIDAY HOME WORK

CLASS 12 ENGLISH

1.Your school is going to organize a short film making competition for classes XI and XII. Prepare a notice inviting participants. Include all necessary details like duration , language etc.(50 words)

2. You are a resident of ABC colony. The colony authorities are starting a cleanliness drive shortly. The main emphasis shall be on the segregation of bio-degadable and non-biodegradable waste. Prepare a poster on the topic.

3.You plan to start a series of tuition classes exclusively for class XII. Prepare an attractive poster / display advertisement.

4There is the vacancy of Asst. Manager at XYZ mall. Prepare a situation vacant advertisement for the classified coloumn,

CLASS 12 Computer Science & Informatics Practices

1. Solve python questions from class XI Session ending question paper
2. Find out real problems like tax/GST for projects and prepare documentation.

CLASS XII Physics

1. Investigatory project.
2. Revision of 'RAY OPTICS'.
3. Exercise questions under the covered topics of chapter1:Electric charges and fields.
4. Work sheet (Objective type questions).

Class XII Maths

Holiday assignment for class 12

1. Collect the board question papers of maths from 2008 to 2018 and answer the questions from "relations and functions"
2. Let m be a fixed non zero integer. For integers a, b we say that they are congruent modulo m if and only if a -b is divisible by m. We write this as

a $\equiv$ b (mod m). Let R be the relation on the set Z of integers defined by a R b if and only if a $\equiv$ b (mod m). Show that R is is an equivalence relation on Z

3. Let f : N— R be a function defined as f (x)=$4x^2$+12x+15 .Show that f : N ->S where S = range of f is invertible find f $^{-1}$

4. Revise derivatives

Class XII Biology

1. Prepare the flowchart of the following
    a. Microsporogenesis b. Megasporogenesis
2. Draw neat labeled diagrams of embryosac, anther, dicot and monocot embrym
3. Complete the investigatory project.
4. Prepare the mind map of the topic vegetative reproduction.

Class XII CHEMISTRY

1. Write all name reactions with equations from class xi chemistry (hydrocarbons) and study.

2. Write and study positive and negative resonance effect.

3. Write and study vitamins, their names and deficiency diseases caused.

4. Study well chapter solutions (up to the covered portion)

Class XII – Hindi

सिल्वर वेडिंग एवं जूझ कहानी की समीक्षा, मतदान हमारा अधिकार विषय पर फीचर, किसानों मे बढती आत्महुती विषय पर आलेख, स्त्रियों के प्रति बढते अपराधों पर चिंता व्यक्त करते हुए संपादक के नाम पत्र लिखिए

Class XII Economics

Collect the national income data for the period 1951-2018 and write a note on the trend of national income over the years

ENGLISH

CLASS VI

Read stories from Panchatantra/ Fairy Tales. Write a summary of any one story and paste pictures.

CLASS VII

Write a story based on the clues given below.

> Lazy king- served by attendants- only eats- becomes fat- falls ill- Sadhu comes to know- tells him to come on foot to his hut- king comes- breathless and sweating- gives him the task of digging the ground- king felt better after completing the task- Sadhu asks him to do this for 15 days- king recovered from his illness- he realizes secret of good truth.

CLASS VIII

Make five diary entries based on your experiences during the summer vacation.

Read any story book and prepare a book review.

CLASS IX

You are Rakesh Sharma/ Rajani Mishra of class IX. Write an article for your school magazine on the topic Electronic waste and Environmental Pollution in about 120 -150 words.

CLASS X

Ozone is an essential layer that is formed in the stratosphere. It filters radiations from the sun without reaching the earth directly. However now a days this ozone is getting depleted every year due to the activities of humans. Unless we prevent this we may have to face serious threats. With the help of the clues given below and with your own ideas write a letter to the editor suggesting measures to prevent the depletion of ozone layer in 100-120 words.

> Hints- Encourage afforestation-save energy- public awareness- use eco friendly products- strict enforcing of laws.

Science

CLASS X

1. Ray diagrams showing the image formation in the case of concave mirror.
2. Prepare a model/chart of human respiratory system/ digestive system.
3. Explain the role of enzymes in digestion.

4. Glimpses of life history of michael faraday…brief presentation
5. Study and answer questions 1 and 2 of page 10 of chapter 1 in science
6. Study and answer questions 2,3,13,14 and 15 of of chapter 1 in science

CLASS IX

1. Question Nos: 1, 2 ,3 of page 100.
2. Question Nos: 1, 2 of page 112.
3. Make a periodic table of elements in a4 paper

CLASS VIII

1.Collect different types of seeds and put them in small bags. Attach these bags in a chart and label them.

2.Do the experiment of growing seedlings with manure and fertilizer. Write the observations in a table and note down the conclusion.

CLASS VII

1. Draw the diagrams of photosynthesis, Stomata and Cells
2. Differentiate between Autotrophic and Heterotrophic mode of nutrition.

CLASS VI

1. Write an assignment on 'food habits of people in different States of India and how to avoid wastage of food'.

Maths

Class VI

1.Learn multiplication tables up to 10

2.Make a place value chart and show any five 8 digit numbers in it and write the number name.

3.Write these numbers in expanded form.

Class VII

Exercise 1.1 question number 1 to 9 ,page number 4 and 5 NCERT textbook class 7

Class VIII

1. Using properties find $2/5 \times. (-3/7) - 1/6 \times 3/2 + 1/14. \times. 2/5$
2. Verify that $-(-\times) = x$ for
1）X = (11/15).   2) X = (-13/17)

3. Name the property used in each of the following
1）(-4/5.   ×. 1). =. 1x (-4/5)
2）(-19/29) x (29/-19) = 1
3）(-13/17) x (-2/7) = (-2/7) x (-13/17)
4. Multiply (6/13) by the reciprocal of (-7/16)
5. Fill in the blanks
a. Zero has_____ reciprocal
b. The numbers _____ are their own reciprocals
c. Reciprocal of (1 / X)where X is not equal to zero is_____
d. The product of two rational numbers is always a _____
e. The reciprocal of a positive rational number is_____

Class IX

5. Construct square root spiral upto $\sqrt{17}$
6. Find five rational numbers between
a) 1/5 and ¾.   b) 7 and 8
7. Find five rational numbers between

a) 1/5 and ¾.   B) 7 and 8

5.   Express 2. 4353535....... p/q form where p and q are integers and q not equal to zero.

6.   Visualise   2. 4353535.......upto 4 decimal places on number line.

Class X

1. Find HCF of 180 ,252 and 324 using Euclid's Lemma

2. Show that the square of an odd positive integer is of the form 8m + 1, for some whole number

3. Draw the factor tree for 3825 ,5005 and 74294. Find LCM and HCF of the following and verify that LCM x HCF = product of the two numbers

a)   510, 92.   B) 336 , 54

5. Explain why 7 x 101 x 11 + 11 is a composite number.

6. The **LCM** and **HCF** of two numbers are 156 and 4 respectively. If one number is 52 **find** the other number.

Hindi

<div align="center">गृहकार्य</div>

<u>छठी कक्षा</u>

1 माताएँ जोडकर पाँच पाँच शब्द लिखो |

2 अपने आसपास दिखने वाले किन्हीं 5 पक्षिओं के बारे में लिखो और चित्र भी बनाओ / चिपकाओ |

3 बीमार होने पर तीन दिन की छुट्टी माँगते हुए प्राचार्य को पत्र लिखिए |

<u>सातवीं कक्षा</u>

1 विशेषण विशेष्य के दस उदाहरण लिखो |

2 अपने आसपास दिखने वाले किन्हीं 5 पक्षिओं के बारे में लिखो और चित्र भी बनाओ / चिपकाओ |

3 बीमार होने पर तीन दिन की छुट्टी माँगते हुए प्राचार्य को पत्र लिखिए |

<u>आठवीं कक्षा</u>

5 दिन के समाचार, प्रिय त्योहार, ग्रीष्मावकाश के कार्यक्रम के बारे में मित्र के नाम पत्र

<u>नवीं कक्षा</u>

1 कबीर दास और प्रेमचन्द के चित्र चिपकाकर उनके बारे में लिखिए |

2 निबन्ध लेखन - मोबाइल फोन हानि और लाभ

   पर्यावरण सुरक्षा हमारी रक्षा

3 एक शिकायती पत्र और व्यक्तिगत पत्र लिखो |

<u>दसवीं कक्षा</u>

1 सूरदास और सुभाष चन्द्र बोस के चित्र चिपकाकर उनके बारे में लिखिए |

2 निबन्ध लेखन - मोबाइल फोन हानि और लाभ

   पर्यावरण सुरक्षा हमारी रक्षा

3 एक शिकायती पत्र , प्रधानाचार्य को पत्र और व्यक्तिगत पत्र लिखो

Social Science Holiday Homework

VI Std

Draw the picture of solar system and write a paragraph about each planets

VII Std

Draw a sketch of components of environment and write a paragraph about each components.

VIII Std

Collect newspaper reports about different aspects of Lok Sabha election 2019.

IX STD

On outline map of India , mark Tropic of cancer and Standard meridian of India. In the same map locate and label Gulf of Mannar ,Pak Strait, Bay of Bengal and Arabian sea

X Std

Make a project about Consumer Protection