

SANSKAR CITY INTERNATIONAL SCHOOL

Summer Vacation Assignment(2024 -2025)

Class -X

Subject - Science

1. Make portfolio on the following topic.

The various sources of fuel production and generation in Chhattisgarh and their specification.

The project should include the following

First page cover page which shows the school name and logo, in the middle write the topic of the project and below this write your name, class, roll number and in the right side write the name of guide teacher, designation etc.

The 2nd page is the acknowledgment page/certificate that carries sign of principal, 3rd page is the index page, next minimum 5 to 8 pages which includes only the contents.

Clear, related and coloured pictures either printed or hand made.

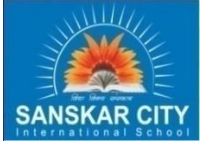
Your suggestion on how to control the Hazards produced by energy production power plant.

2. **ACTIVITY**

**THE FOLLOWING ASSIGNMENT HAS TO BE DONE IN THE NOTEBOOK
ART INTRIGATION ACTIVITY “EK BHARAT SWACHHA BHARAT”**

3. ***MAKE A NOTE BASED ON THE STEPS THAT ARE IMPLIMENTED BY OUR GOVERNMENT TO MAKE OUR CITY AND HENCE COUNTRY CLEAN AND HENCE ABOUT THE GREEN ENERGY EVOLUTION.***

Search the web about swachh bharat



SANSKAR CITY INTERNATIONAL SCHOOL

Summer Vacation Assignment(2024 -2025)

Class - X

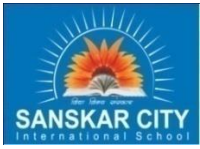
Subject - Social Science

QUESTION-

1. PREPARE **PROJECT WORK** ON THE TOPIC “ **CONSUMER RIGHTS**” IN CONTEXT TO INDIA . ELABORATES THIS RIGHTS WITH THE REAL CASES IN INDIA.

GUIDANCE –

- A. IT SHOULD BE PREPARED IN PROJECT FILE
- B. MINIMUM PAGE SHOULD BE 25-30 PAGES
- C. INCLUDE RELEVANT PICTURES TO HIGHLIGHT SOME CURRENT ISSUES ON CONSUMER RIGHTS
- D. PROJECT FILE CAN BE DECORATED AS NEED BE.
- E. IT SHOULD BE HAND WRITTEN, NEAT AND ELIGIBLE.



SANSKAR CITY INTERNATIONAL SCHOOL

Summer Vacation Assignment(2024 -2025)

Class - X

Subject - English

ASSIGNMENT 1:

Make a video of yourself, wherein you are helping your elders to do some work. The dialogue should be in English.

HINTS:

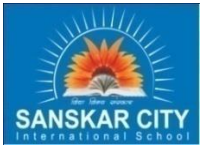
- Helping your mother in preparing a delicious recipe
- Helping your father repair / make some electronic items
 - What you do / manage in your shop
- Engaging yourself in organizing an event at home or in your relatives house

ASSIGNMENT 2:

Students should find at least **3 common idioms and phrases usages** with their meanings and examples each day (Monday to Friday), which are usually used in our everyday English conversation.

On every Saturday, they are required to click the words written and post to the subject teacher, without fail. WHATSAPP NO: 9993680780 M.BARLA

Note: ATTRACTIVE PRIZE WAITS FOR THE BEST WORK!



SANSKAR CITY INTERNATIONAL SCHOOL

Summer Vacation Assignment(2024 -2025)

Class -X

Subject - Mathematics

Lesson: 1: Real Numbers

WORKSHEET-I

1. A is a proven statement used for proving another statement.
(a) axiom (b) theorem (c) lemma (d) algorithm
2. The product of non-zero rational and an irrational number is
(a) always rational (b) always irrational (c) rational or irrational (d) one
3. The HCF of smallest composite number and the smallest prime number is
(a) 0 (b) 1 (c) 2 (d) 3
4. Given that $HCF(1152, 1664) = 128$ and the $LCM(1152, 1664)$ is
(a) 14976 (b) 1664 (c) 1152 (d) none of these
5. The HCF of two numbers is 23 and their LCM is 1449. If one of the numbers is 161, then the other number is
(a) 23 (b) 207 (c) 1449 (d) none of these
6. Which one of the following rational number is a non-terminating decimal expansion?
(a) $33/50$ (b) $66/180$ (c) $6/15$ (d) $41/1000$
7. A number when divided by 61 gives 27 quotient and 32 as remainder is
(a) 1679 (b) 1664 (c) 1449 (d) none of these
8. The product of L.C.M and H.C.F. of two numbers is equal to
(a) Sum of numbers (b) Difference of numbers
(c) Product of numbers (d) Quotients of numbers
9. L.C.M. of two co-prime numbers is always
(a) Product of numbers (b) sum of numbers
(c) difference of numbers (d) none of these
10. What is the H.C.F. of two consecutive even numbers?
(a) 1 (b) 2 (c) 4 (d) 8

WORKSHEET-II

1. For some integer m , every even integer is of the form
(a) m (b) $m + 1$ (c) $2m$ (d) $2m + 1$
2. For some integer q , every odd integer is of the form
(a) q (b) $q + 1$ (c) $2q$ (d) $2q + 1$
3. $n^2 - 1$ is divisible by 8, if n is
(a) an integer (b) a natural number
(c) an odd integer (d) an even integer
4. If the HCF of 65 and 117 is expressible in the form $65m - 117$, then the value of m is
(a) 4 (b) 2 (c) 1 (d) 3
5. The largest number which divides 70 and 125, leaving remainders 5 and 8, respectively, is
(a) 13 (b) 65 (c) 875 (d) 1750
6. If two positive integers a and b are written as $a = x^3y^2$ and $b = xy^3$; x, y are prime numbers, then HCF (a, b) is
(a) xy (b) xy^2 (c) x^3y^3 (d) x^2y^2

7. If two positive integers p and q can be expressed as $p = ab^2$ and $q = a^3b$; where a, b being prime numbers, then LCM (p, q) is
 (a) ab (b) a^2b^2 (c) a^3b^2 (d) a^3b^3
8. The product of a non-zero rational and an irrational number is
 (a) always irrational (b) always rational (c) rational or irrational (d) one
9. The least number that is divisible by all the numbers from 1 to 10 (both inclusive) is
 (a) 10 (b) 100 (c) 504 (d) 2520
10. The decimal expansion of the rational number $14587/1250$ will terminate after:
 (a) one decimal place (b) two decimal places
 (c) three decimal places (d) four decimal places

WORKSHEET-III

- Using Euclid's Division Algorithm find the HCF of 9828 and 14742.
- A sweet seller has 420 kaju burfis and 130 badam burfis she wants to stack them in such a way that each stack has the same number, and they take up the least area of the tray. What is the number of burfis that can be placed in each stack for this purpose?
- Determine the greatest 3-digit number exactly divisible by 8, 10 and 12.
- Prove that $15 + 17\sqrt{3}$ is an irrational number.
- Find two rational numbers and two irrational number between $\sqrt{2}$ and $\sqrt{3}$.
- In a morning walk, three persons step off together. Their steps measure 80 cm, 85 cm and 90cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?
- (a) Write two example of Euclid's division lemma.
 (b) Use of Euclid's division algorithm to find the HCF of 196 and 38220.
 (c) Use of Fundamental Theorem of Arithmetic in two examples.
 (d) Show $\sqrt{3}$ is irrational numbers.
 (e) Give five examples of rational numbers and their decimal expansion.