

**BCM SCHOOL, BASANT AVENUE ,DUGRI ROAD,  
LUDHIANA**

**INTERDISCIPLINARY PROJECT AND EK BHARAT  
SHRESHTHA BHARAT  
CLASS-VI**

**TOPIC: CLIMATE CHANGE**



**Instructions:**

1. All the activities done as a part of holidays homework would be evaluated as an internal assessment.
2. Be creative in the presentation of your holiday's homework.
3. Use A-4 size sheet
4. Label your project with your name, class, Section and roll no.



## 1: Impact of Climate Change on Crop Patterns

a) Find out the major crops grown in Punjab (like wheat, rice, and cotton). - Research how climate change has affected the yield, growing seasons, and water availability for these crops.

- Discuss the challenges faced by farmers due to changing weather patterns.

b) Identify the major crops grown in Odisha (such as rice, pulses, and vegetables).

- Investigate how climate change has impacted crop productivity and in the state.

- Explore the adaptation strategies adopted by farmers to cope with these changes.



## 2: Impact of Climate Change on Flora and Fauna

- a) Discover how climate change has affected the natural vegetation and biodiversity of Punjab.
  - b) Research the effects of climate change on the rich flora and fauna of Odisha.
- Explore how climate change has impacted ecosystem , coastal areas, and conservation efforts in Odisha.



## 3: Deforestation and Climate Change - Understanding the Role of Forests

Forests play a crucial role in mitigating the effects of climate change. Trees absorb carbon dioxide from the atmosphere and release oxygen, helping to regulate the Earth's temperature and reduce greenhouse gas emissions. Preserving and restoring forests is essential for combating climate change and promoting a healthier environment.

In this step, we will explore the forest cover of Punjab and Odisha, two states with diverse landscapes and ecosystems.

- a) Find the forest cover of Punjab and Odisha in digits and represent the values using the Indian number system and the international number system.
- b) Write the forest cover values in number names as well.
- c) Find the difference between the forest cover of Odisha and the forest cover of Punjab. Write this difference in the Indian number system, the international number system, and in number name



## 4: Creative Task

**Option 1: Compose a poem in Punjabi or Hindi, depicting the effects of climate change on humankind.**

**OR**

**Option 2: Write a dialogue between two individuals discussing the impacts of climate change on Punjab and Odisha.**

**Remember to include suitable headings, subheadings, and bullet points to organize your project. You can also include relevant visuals, such as graphs, charts, or images, to enhance your presentation.**

# SAFAL ASSIGNMENT

**Instructions: Take printout of all the SAFAL Assignments. Do them on the same sheets and submit to your respective Subject Teacher after vacation.**

## **SUBJECT –MATHEMATICS (041)**

**1. Difference between face value and place value of 6 in a numeral is 599999994. Which one of the following places does 6 occupy in the numeral?**

**A) Arabs    B) Ten-Arabs    C) Crores    D) Tencrores**

**2. Write the least roman numeral using the symbols V, X, L, C,D**

**A) CDLXV    B) CDXLV    C) DCXLV    D) DCLXV**

**3. Where would you like to place the symbol “I” in the Roman numeral CDLXX such that the numeral represents the Hindu Arabic numeral 469?**

**A) Between C and D      B) BetweenD and L**

**C) Between two X      D) all of these.**

**4. A is thrice of B, B is twice of C, and C is four times of D. If D is equal to 54546, find the value of A+B+C+D.**

**A) 2181842    B)6545525    C)2018202    D) 9545524**

**5. When  $13+A$  is added to 6645655, the sum becomes completely divisible by 58. If  $A < 58$ , find the value of A.**

**A) 10    B)20      C) 30    D) 40**

**6. A transport company requires 175 trucks to transport wheat bags from one place to another. If 17 trucks can carry 9231 bags of wheat, find the total number of wheat bags the company has to transport.**

**A) 95025    B) 95030    C) 95050    D) 95075**

**7. Sum of two decimals us equal to the difference of 94665.32 and 5496.023. If one of the decimal number is 354.23, find the other decimal number.**

**A) 89169.297      B) 88815.067**

**C) 89523.527      D) 90523.527**

**8. A is 546860 more than 249652. What least number should be added to A such that A is divided by 29 leaves the remainder 25?**

**A) 26    B )25    C) 24      D) 27**

9. Find the greatest number that will divide  $28+X$  and  $24+X$  without leaving any remainder when  $X=4$ .

- A) 1      B) 2      C) 4      D) 14

10. If we increase the length of the side of a triangle to four times, by how many times its area will increase?

- A) 2 times      B) 4 times      C) 8 times      D) 16 times

**Subjective**

1. LCM of 2, 3 and 5 is 30. Can you think of a different set of three numbers whose LCM is 30

2. What is the LCM of two Co-Prime numbers? Give Examples

3. Is 34567890 divisible by 6? (use divisibility test)

4. Choose an appropriate unit to measure following quantities:

- a) Length of a pen \_\_\_\_\_
- b) Amount of milk in a glass \_\_\_\_\_.
- c) Bucket full of water \_\_\_\_\_.
- d) Your body weight \_\_\_\_\_.
- e) Weight of a single seed of rice \_\_\_\_\_.
- f) Distance between Delhi and Mumbai \_\_\_\_\_
- g) Length of Football ground \_\_\_\_\_.

5. Ram buys 1 Hindi and 1 maths book and pays Rs. 10, Priya buys 1 maths book and 1 science book and pays Rs. 12, Sam buys one science book and 1 English book and pays Rs. 14 and John buys 2 English book and pays Rs. 16. Find the value of Hindi book.

#### SUBJECT- ENGLISH

Read the passage and answer the questions-

It was still a busy hour in the city when I entered Market Road. People ran for their lives at the sight of me. As I passed through shutter were pulled down, and people hid themselves. To the great delight of children, schools were being hurriedly closed. Children of all ages and sizes were running helter-skelter, screaming joyously, 'No school, no school. Tiger! Tiger!' They were shouting and laughing and even enjoyed being scared. I felt like joining them. So, I bounded from the restaurant door. I walked along with them, at which they cried, 'The tiger is coming to eat us; let us get back to school.'

I followed them through their school gate while they ran up and shut themselves in the school hall securely. I climbed up the steps of the school, saw an open door at the far end of the verandah, and walked in. It happened to be the headmaster's room.

1. Who does 'I' refer to?

(a) a tiger (b) the school headmaster (c) the school children (d) the writer

2. The school children shouted that the tiger would

(a) enter the school (b) eat them (c) eat the headmaster (d) follow them to school.

3. The children shut themselves

(a) in the school hall (b) in the head's room (c) in the classroom (d) under the tree.

4. The phrase 'helter-skelter' means-

(a) neat and clean (b) carelessly hurried (c) at moderate speed (d) carefully.

5. Screaming means-

(a) laughing loudly (b) jumping (c) hiding (d) shouting.

#### GRAMMAR

Do as directed-

1. Vikas writes a letter. (Change into negative sentence)

2. We have seen this film. (Change into interrogative sentence)

3. Pick the correct spelling- (a) received (b) received (c) received (d) received

4. A snake hiss to scare its enemy. (Find an error in the sentence and re-write it correctly.)

5. My job is very.....(bore). (Fill in the blank with suitable adjective formed from the word given in bracket)

#### SUBJECT : SCIENCE

1. What is the main function of the roots in plants?

- A) Photosynthesis
- B) Absorption of water and minerals
- C) Reproduction
- D) Support the plant in soil

2. The process by which solid changes directly to gas is called:

- A) Condensation
- B) Evaporation
- C) Sublimation
- D) Deposition

3. Which is the standard unit of length?

- A) finger
- B) step.
- C) fist
- D) inch

4. Which of the following is not a food producer?

- A) wheat plants
- B) Green plants
- C) grasshopper
- D) mango tree

5. The leaves of one of the following plants are not eaten as a food .This plant is \_\_\_\_\_.

- A) mustard
- B) mango
- C) cabbage
- D) lettuce

6. Which one of the following is non-living object!

- A) fish
- B) fowl
- C) feather
- D) fox

7. Which one of the following is lighter than water?

- A) aluminium
- B) Chalk powder
- C) ice
- D) iodine



8. When rice and pulses are washed with water before cooking then the water is separated from them by the \_\_\_\_\_.

- A) filtration
- B) decantation
- C) distillation
- D) evaporation

9. Which one of the following plant is not a herb?

- A) sunflower
- B) rose
- C) Mustard
- D) Radish

10. The deficiency of vitamin D causes \_\_\_\_\_.

- A) beri-beri
- B) rickets
- C) anaemia
- D) goitre

11. A woman is suffering from goitre. Her diet is deficient \_\_\_\_\_.

- A) Vitamin
- B) iron
- C) Iodine
- D) Calcium

12. One of the following animals takes only liquid food.

- A) Vulture
- B) squirrel
- C) Lizard
- D) butterfly

#### CASE STUDY

Green plants prepare their own food. The various parts of the plants which are used as food materials by us are : Roots, Stems, Leaves, Flowers, Fruits and Seeds. Plants store food in their different parts.

Q1 Name two plants whose roots are eaten by us.

Q2 Name the process by which Plants make their food and define it .

Q3. Where do plants make their food ?



