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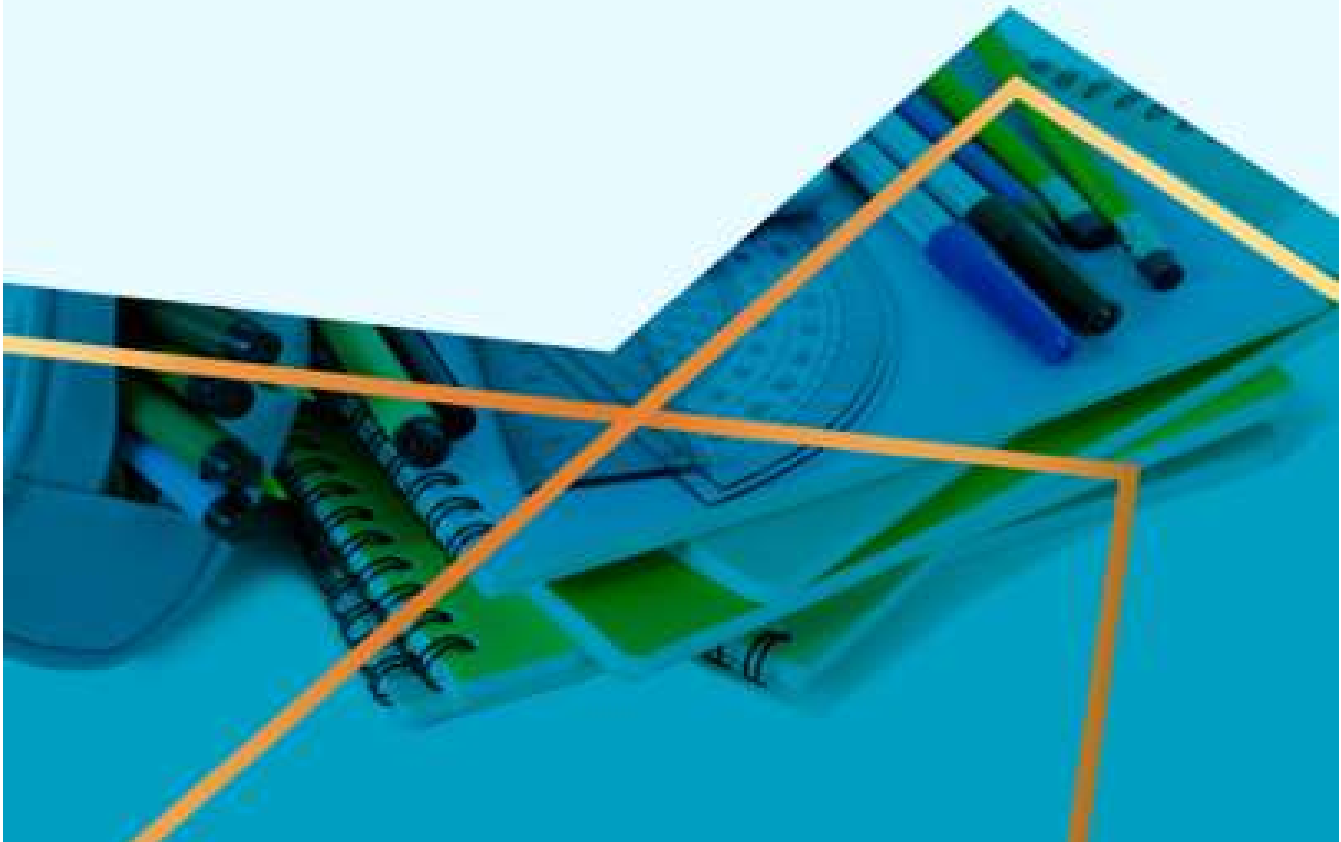
# SUMMER HOLIDAY HOMEWORK

Academic Session: 2023 -24

Name: \_\_\_\_\_

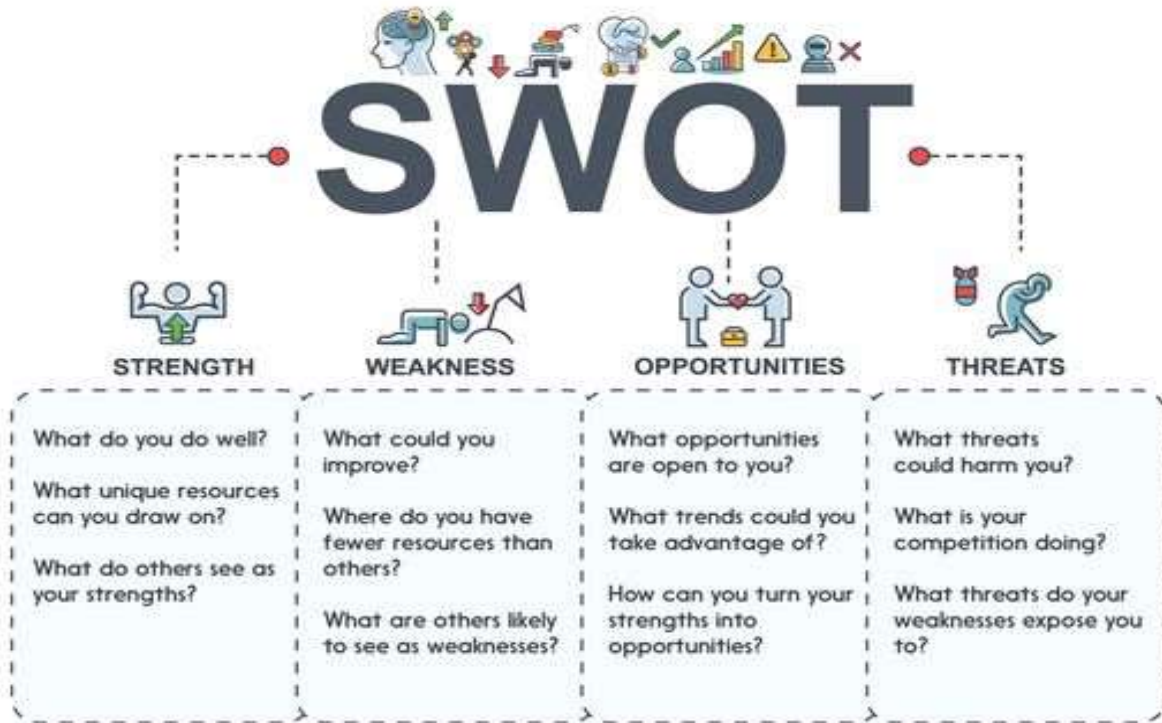
Class: \_\_\_\_\_

Roll No.: \_\_\_\_\_





# What Is SWOT Analysis?



**TIME TO DO SWOT ANALYSIS OF YOUR OWN**

# SWOT ANALYSIS

 STRENGTHS	 WEAKNESSES	 OPPORTUNITIES	 THREATS

## English

1. Questionnaire Making (1mark)

How to do: Prepare 15 multiple choice questions from the story a) Long walk to Freedom b) His first Flight (NCERT Book)

Where to do: A-4 size sheet Parameters: Accuracy, Content, Authentication

2. Script Writing (1 mark)

How to do: Write a script on any SOCIAL ISSUE. It should be divided into IV scenes. Name of the characters should be written on a different page.

Where to do: Scrap Book

Parameters: content, presentation, setting of a plot

3. Creation with Proverb (1 mark)

How to do: Describe any one of the following proverb in your own words. You should also add pictures to make it creative.

“The pen Is mightier than the sword”

“No pain No gain All’s well that ends well”

Where to do: A-3 size sheet

Parameters: Creativity, relevance, presentation

4. Being innovative with values (1 mark)

How to do: Create your own diary in which you will write daily about any one positive

Change which you will bring in yourself like being organized or being punctual etc (80-100 words) Where to do: small handmade diary which should be properly decorated.

Parameters: Creativity, Content, Authentication

5. Do all extra questions of starting three chapters of ‘first flight’. (0.5mark)

Make it innovative and creative by your own skills

6. Do one formal notice and one article on any current issue in a-4 size sheets, and Make it innovative and creative by your own skills (0.5mark)

## विषय-हिन्दी

**निर्देश-** (1) सभी कार्य अनिवार्य है।

(2) अवकाश कार्य के अंक दिए जाएंगे।

(1) रामचरितमानस की चौपाइयां स्क्रैपबुक में करो । (2marks)

(2) A4 पेज पर अपने द्वारा की गई किसी यात्रा को कहानी के रूप में लिखें (2marks)

(3) अपठित गद्यांश पेज नंबर 8 से 13 तक होलीडे होमवर्क कॉपी में करें। (1marks)

(4)नियत कार्य:- कक्षा में पढाए गए अध्यायो के प्रश्नोंत्तरो की पुनरावृत्ति।

## Subject- Maths

1. Make a project file in 15-20 pages on the topic "Importance of mathematics in daily life". (2 marks)
2. Write an article in 300 words in scrap book on the topic "Real numbers". (1 mark)
3. Do/solve following questions in holiday homework notebook. (2 marks)
  - a. Find the LCM of smallest two digit composite number and smallest composite number.
  - b. For which value of  $p$  will the line represented by the following pair of linear equation be parallel  $3x - y - 5 = 0$ ,  $6x - 2y - p = 0$
  - c. **Giving  $\sqrt{5}$  is irrational number, prove that  $2\sqrt{5} - 3$  is irrational number.**
  - d. If HCF of 144 and 180 is expressed in the form of  $13m - 16$  then find the value of  $m$ .
  - e. If  $a$  and  $b$  are zeroes of the polynomial  $x^2 - 5x + 6$  then find the value of  $a^2 + b^2$ .
  - f. Find zeroes of  $x^2 - 8x + 16$  and verify their relationship with coefficients.
  - g. Show that a number of the form  $14n$  where  $n$  the natural number can never end of with zero.
  - h. Two lines are given to be parallel. The equation of one of the line is  $4x + 3y = 14$ . Find the equation of second line.
  - i. If  $ax + by = a^2 - b^2$  and  $bx + ay = 0$  then find the value of  $x + y$ .
  - j. If the sum of the zeros of a quadratic polynomial  $3x^2 - kx + 6$ , then the value of  $k$  is ..
  - k. What number should be added to the polynomial  $x^2 - 5x + 4$ , so that 3 is the zero of polynomial.
  - l. Find the prime factor of  $2 \times 7 \times 11 \times 17 \times 23 + 23$ .
  - m. HCF and LCM of two number is 9 and 459. If one of the number is 27 then find second number.
  - n. Find the largest number which divides 70 and 125 leaving remainder 5 and 8 respectively.
  - o. Represent the following pair of equations graphically and write the coordinates of point where the line intersect.  $x + 3y = 6$ ,  $2x - 3y = 12$
  - p. The owner of a taxi company decides to run all the taxis on the CNG instead of petrol. The taxi charge in the city comprises of fixed charges together with the charge for the distance covered for a journey of 12 km the charge paid is rupees 89 and for journey of 20 km the charge paid is rupees 145 what will a person have to pay for travelling a distance of 30 km.
  - q. Speed of a boat in still water is 15 km/h. It goes 30 km down stream and returns back at the same point in 4 hours 30 minute. Find the speed of stream.
  - r. The age of the father is twice the sum of the ages of his two children. After 20 years his age will be equal to the sum of the ages of his children. Find the age of father.
  - s. Vijay had some bananas and he divided them into two lots  $a$  and  $b$ . He sold the first lot at the rate of rupees 2 for 3 bananas and the second lot at the rate of rupees 1 per banana, and got rupees 400. If he had sold the first lot at the rate of rupees 1 per banana and the second lot at the rate of rupees 4 for 5 bananas his total collection would have been rupees 460. Find the total number of bananas he had.
  - t. **Write a quadratic polynomial whose sum and product of the zeros are  $\sqrt{5}$  and  $2\sqrt{2}$  respectively.**

## Social Science

**Activity No 1--.** (2 marks)

**"Make an individual Project File on the topic"**

Different type of Resource and its importance "

Basic Points-- What is resources ? Why is it essential ? Is Planning need to India also? Etc.

Imagine if oil supply get exhausted, how will this affect our life style?

**General information:---**

- i) The project topic is based on Geo Ch 1 text book NCERT.
- ii) It should be prepare according basic points and take help from ch1 Geo.
- iii) It should be hand written and maximum 10 to 15 pages.
- iv) Make them more attractive and presentable with the help of pictures and other things.

**Activity No 2---**

**2 marks**

Do in Scrapbook --- Show different type of soil of India on outline map of India and paste them in scrapbook, also write any one soil in detail.

**Learning.**

**1 marks**

Learn Ch 1 of History and Ch 1 of civics from your notebook.

Do ten written short Questions and answers from both Ch in your holiday notebook

## Science

### \*In Notebooks

(1 mark)

1. Draw neat and clean diagram of a pH paper and find the pH value by using following items:-  
Lemon juice ,three different types of bathing soaps , RO water, tomato sauce and shampoo.
- 2.Explain with the diagram to show “light is necessary for photosynthesis”.

### \*In Scrapbook

(2 marks)

- 1.Paste the pictures of Some rusted iron particles that you see in your surrounding (make Collage) and write three ways to prevent rusting.
- 2.Make a flowchart to show the action of different enzymes on the food items during the process of digestion.

### \*Models

(2 marks)

(Group made in the class)

- |      |                           |                           |
|------|---------------------------|---------------------------|
| I)   | Human respiratory systems | (Roll no-1to 6)           |
| II)  | Human heart               | (Roll no 5 to 11)         |
| III) | Dialysing machines        | (Roll no 12-18)           |
| IV)  | Sphygmomanometer.         | (Roll no 19-25)           |
| IV)  | Fire extinguisher.        | (Roll no.26-last roll no) |

Materials required:-

Pipe ,waste papers, balloons , bottles, coloured threading, metal wires, clay ,colours , Fevicol etc.