DOON BHARTI PUBLIC SR. SEC. SCHOOL

Affiliated to CBSE

Durga Enclave, Sehatpur, Faridabad (HR) Ph: 9533 000 123

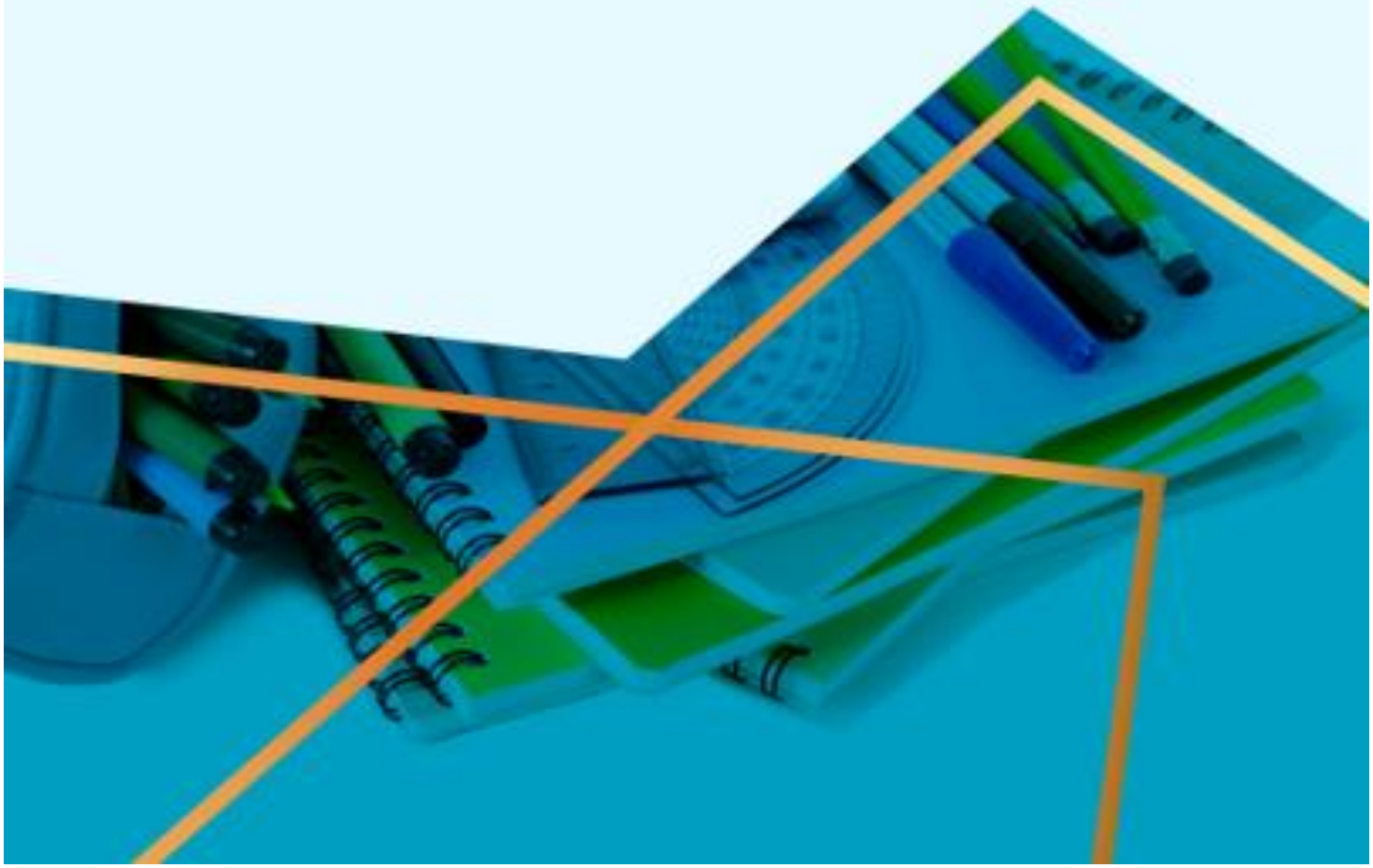
SUMMER HOLIDAY HOMEWORK

Academic Session: 2023 -24

Name: _____

Class: _____

Roll No.: _____



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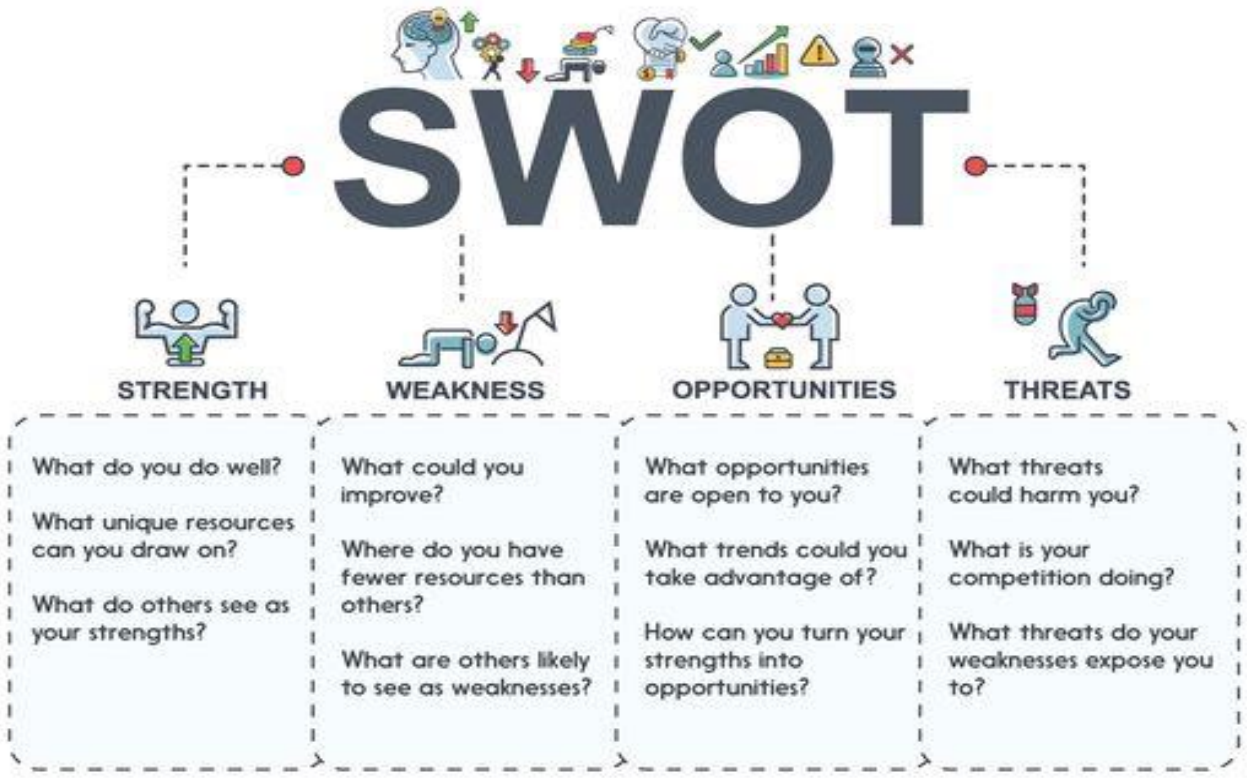
Session : 2023 – 24 **HOLIDAY HOME WORK** **Class : 9th**

What Is SWOT Analysis?



TIME TO DO SWOT ANALYSIS OF YOUR OWN

English

1. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills. (1 mark)
2. Read the chapters 'The Sound of Music', 'The Little Girl' and write the character sketches of the following. (1 mark)

a. Bismillah Khan b. Evelyn Glennie c. Margie

3. You are Vaibhav, Vaibhavi. You are asked to write an article for the school magazine on 'climate change'. Use your ideas and hints given below. (1 mark)

Human activities burning fossil fuels releases carbon dioxide- rise in earth's temperature – causes sea level changes – adversely affects precipitation – seasons – flora and fauna

4.Listen a story in a day and write theme or moral of the story in your scrapbook. (1 mark)

5.Diary entry based on daily activities. (do it in scrap book) (0.5 mark)

6 Maintain a dictionary by reading an English newspaper and watch your favourite show. Take note of the new Words (at least 5) that you see and hear and copy those words down in your notebook. Refer to the internet and learn what those words means. (0.5 mark)

विषय-हिन्दी

निर्देश –

(i) सभी कार्य अनिवार्य है

(ii) अवकाश कार्य के अंक दिए जाएंगे।

(1) रसखान के दो पद चित्र सहित स्क्रैप बुक में करो । (2)

(2) A4 पेज पर एक स्वरचित कविता या कहानी लिखो । (2)

(3) अपठित गद्यांश -1 से 6 तक होलीडे होम वर्क कॉपी में करो पेज नं0 - 1 से 9 (1)

नियत कार्य :- कक्षा में पढ़ाई गए अध्यायो के प्रश्नोंत्तर की पुनरावृत्ति।

Subject- Maths

1. Cut out 5 (2D) colourful shapes and paste them in a scrap book. For example (circle, triangle)(1mark)
2. Make a project file in 10 to 15 pages (used A4 size sheets) on the topic " ROLE OF NUMBER SYSTEM IN DAILY LIFE". (2 marks)
3. Do/solve following questions in holiday homework notebook (2 marks)

i. Find five rational numbers between 1 and 2.
ii. Find five rational numbers between 3/5 and 4/5.
iii. Locate $\sqrt{3}$ on the number line.
iv. Are the square roots of all positive integers irrational? If not, give an example of the square root of a number that is a rational number.
v. Find the decimal expansions of 10/3, 7/8 and 1/7.
vi. Show that $0.3333\cdots=0.3^{-}$ can be expressed in the form p/q, where p and q are integers and $q\neq0$.
vii. What can the maximum number of digits be in the repeating block of digits in the decimal expansion of 1/17? Perform the division to check your answer.
viii. Find three different irrational numbers between the rational numbers 5/7 and 9/11.
ix. Add $2\sqrt{2}+ 5\sqrt{3}$ and $\sqrt{2} – 3\sqrt{3}$.
x. Simplify: $(\sqrt{3}+\sqrt{7})(\sqrt{3}-\sqrt{7})$.
xi. Rationalise the denominator of $1/[7+3\sqrt{3}]$.
xii. Represent $\sqrt{9.3}$ on the number line.
xiii. What is the product of a rational and an irrational number?
xiv. What is the value of 246.75×345.69?
xv. If $a + b + c = 15$ and $a^2 + b^2 + c^2 = 83$, find the value of $a^3 + b^3 + c^3 – 3abc$.
xvi. If $(x – 1/x) = 4$, then evaluate $(x^2 + 1/x^2)$ and $(x^4 + 1/x^4)$.
xvii. Find the values of a and b so that $(2x^3 + ax^2 + x + b)$ has $(x + 2)$ and $(2x – 1)$ as factors.
xviii. Check whether $(7 + 3x)$ is a factor of $(3x^3 + 7x)$.
xix. Factorise $x^2 + 1/x^2 + 2 – 2x – 2/x$.

xx. Plot the following points and check whether they are collinear or not:
(a) (1, 3), (– 1, – 1), (– 2, – 3)
(b) (1, 1), (2, – 3), (– 1, – 2)
(c) (0, 0), (2, 2), (5, 5)

xxi. Without plotting the points indicate the quadrant in which they will lie, if
(a) the ordinate is 5 and abscissa is – 3
(b) the abscissa is – 5 and ordinate is – 3
(c) the abscissa is – 5 and ordinate is 3
(d) the ordinate is 5 and abscissa is 3

xxii. Write the answer to each of the following questions:
(a) What is the name of the horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane?
(b) What is the name of each part of the plane formed by these two lines?
(c) Write the name of the point where these two lines intersect

Social Science

Activity No 1. (2 marks)

Prepare a project file on anyone natural disaster. topics are—

i) land-slides on hilly region ii) Flood iii) Earthquake

General information

i) topic is related to disaster management
ii) the project file should include minimum 8 pages.
iii) it should be clear hand work and with coloured pictures.
iv) helping guidelines post disaster.

Activity-2

Scrap Book– (Based on Eco Chapter 1) (2 marks)

Draw a picture of ideal village and describe the main features also in short.

Learning (1 mark)

learn Civics Chapter-1 and Chapter-1 History

Do any ten Short questions and answers in your holidays home work note book of Civics Chapter-1 and History Chapter-1.

Subject- Science

In Notebook (2marks)

1.Write and learn different reasoning questions based on Ch-1 given below:-
i) A gas filled completely the vessels in which it is kept
ii) We can easily move our hand in air but to do the same through the solid block of wood we need to Karate expert.
iii) Why does a desert cooler cools better on a hot dry day?
iv) Why does our Palm feel cold when we put some Acetone or petrol or perfume on it?
v) Iron almirah is solid at room temperatures.
vi) Naphthalene ball disappear with time without leaving any solid.
2. Differentiate between scalar and vector quantities with suitable examples.

Scrap book- Draw neat and clean diagram of separation technique of salt and camphor (2 marks)

Chart paper- Draw diagram of inter conversion of the three states of matter (1 marks)