

**CLASS- VIII**  
**Holiday homework ( 2023-24 )**  
**Theme : G 20 Summit 2023**



**The Group of Twenty (G20) is the premier forum for international economic cooperation. It plays an important role in shaping and strengthening global architecture and governance on all major international economic issues.**

**India holds the Presidency of the G20 from 1 December 2022 to 30 November 2023.**

**ENGLISH**

- a. Learn a poem by the poets allocated as per the roll nos. and make a video in landscape format of 2 minutes.  
William Wordsworth (1-9)  
Sarojini Naidu (10-18)  
Sri Aurobindo (19-27)  
Rabindranath Tagore (28-38)
- b. Write the different poetic devices used in the English language along with examples on A-3 size sheets.
- c. Choose a country out of G-20 countries.
  - i) Find and write about famous authors and their work.
  - ii) Write about the life, work and genre of any one author. (On A-3 size sheet)

## HINDI

- १- G20 शिखर सम्मेलन (२०२३) के सिद्धांत 'वसुधैव कुटुम्बकम्'  
एक धरा एक परिवार , इस विषय पर अपने विचार व्यक्त कीजिए।  
{शब्द -100 से 120 , कार्य ए - ४ साइज़ शीट पर कीजिए }



- २- अन्तरिक्ष में जाने वाली पहली भारतीय महिला -'कल्पना चावला' इस विषय के अंतर्गत परियोजना कार्य करने के लिए चित्र सहित निम्नलिखित जानकारी एकत्रित करते हुए पी. पी. टी या ए-4 साइज़ शीट पर कार्य करें -

क. जन्म तथा परिवार  
ख. शिक्षा- दीक्षा  
ग. संघर्ष  
घ . नासा का अनुभव

च. यात्राएँ  
छ. पुरस्कार  
ज. मृत्यु



३. अकबर -बीरबल या कृष्णदेव- तेनालीरामा के किसी एक मजेदार किस्से को संवाद रूप में लिखिए।

## MATH

Q I. The 2023 G20 New Delhi summit is the upcoming eighteenth meeting of the Group of Twenty countries. Answer the following questions below:

(A)(i) When was G20 established?

(ii) Is your answer of (i), a perfect square number. If not, find the smallest

whole number which should be added to your answer digit so that the new number becomes a perfect square.

(B)(i) To date how many summits of G20 have been held?

(ii) Find the cube of answer you get in (i) part.

Write your answers in the Holiday homework notebook.

**QII) Project:**

**A mathematician is someone who uses an extensive knowledge of mathematics in their work, typically to solve mathematical problems. Research and make a project on the life history of any one Indian Mathematician and his/her contribution in the field of mathematics. It should include following points:**

- 1. Name**
- 2. Time and Place**
- 3. Work and achievements**

**Note: Use A4 size sheets to write your answer with pictures.**

**ASSIGNMENT ON SQUARES AND SQUARE ROOTS**

Q1. Evaluate:

(i)  $\frac{\sqrt{243}}{\sqrt{363}}$  (ii)  $\sqrt{98} \times \sqrt{162}$

Q2. Evaluate:  $\sqrt{20/3}$

Q3. Using properties of squares and square roots calculate:  $200^2 - 198^2$

Q4. . By what least number should 735 be multiplied so that the product is a perfect square. Find the square root of the product so obtained.

Q5. Find the cost of erecting a fence around a square field whose area is 9 hectares, if fencing costs ₹ 35 per meter.

Q6. What least number must be added to 6321 to make the sum a perfect square? Find this perfect square and its square root.

Q7. Find the length of each side of a square whose area is equal to the area of a rectangle of length 13.6 m and breadth 3.4 m.

Q8. A general wishing to draw his 64029 men in the form o a square found that he had 20 men extra. Find the number of men in the front row.

Q9. Simplify:  $\frac{\sqrt{0.0441}}{\sqrt{0.000441}}$

## Chapter 2 - Cubes and Cube Roots

### Case Study

Ram, a skilled carpenter got an order to make cubical boxes. He was excited to get the order as he really needed some money for his family to celebrate Diwali. In order to buy raw materials for his order, he borrowed Rs. 5000 from a user and bought the required materials. Next day he started his work. He made a cubical box of volume  $15625 \text{ cm}^3$ .



Based on the above information answer the following questions :

- Q1. What is the cube of an even number given in the story?
- Q2. Find the cube root of last three places in  $15625 \text{ cm}^3$
- Q3. Calculate the edge of given cubical box by estimation method
- Q4. Which SDG goal is depicted here?

**Note: Do all assignments in Holiday H.W notebook. Revise Chapter-1,2. Complete chapter 7- worksheet1 and 2, Lab- activities on identity I and II.**

## SOCIAL STUDIES

- 1) Slogan Writing based on India's theme of G20. (A4 size sheet)
- 2) Make a project on mineral and energy resources.
- 3) Study the Indian Constitution and create an informative brochure on the fundamental rights and duties of Indian citizens.
- 4) Do a research and make a report on amazing facts of Amazon forest

## GENERAL SCIENCE

Prepare a 5 page project on A4 size white/coloured sheets and submit mentioning name, class and roll number on the page.

1. What is the role of G20 economies in global health? What percentage of GDP is spent on healthcare in India, Germany and the United states of America.
2. Include a photocopy of your “vaccination chart” and prepare a report on diseases for which you have taken a vaccine. Write about the age, name of vaccine and date on which you have taken a vaccine.

Example of vaccination chart is given below:

AGE	VACCINE(DOSE)	DUE DATE	GIVEN DATE	MAKE	BATCH
Birth	BCG		16/2/11		
	OPV - 1st dose		11		
	Hepatitis B Vaccine - 1st dose		11		
	DPT - 1st dose		29-03-11		
6 Weeks	OPV - 2nd dose		15/05/11		
	Hepatitis B Vaccine - 2nd dose				
	Polio (Polio Vaccine) - 1st dose				
10 Weeks	DPT - 2nd dose	28-4-11	08/05/11		
	OPV - 3rd dose		11		
	Polio (Polio Vaccine) - 2nd dose				
14 Weeks	DPT - 3rd dose	2nd June 11	11/11/11		
	OPV - 4th dose		11		
	Hepatitis B Vaccine - 3rd dose				
	Polio (Polio Vaccine) - 3rd dose				
9 Months	Meningitis Vaccine		21/11/11		
	MMR		27-08-12		
18 Months	DPT - 1st Booster dose	07/07/12	19/08/13		
	Polio (Polio Vaccine) - 4th dose		11		
2 Yrs	Typhoid Vaccine	15/04/13	20/13		
5 Yrs	DPT - 2nd Booster dose				
	OPV - 5th dose				
10 Yrs	TT - 2nd Booster dose				
15-16 Yrs	TT - 4th Booster dose				
	Eng measles 2		24/9/14		

**Optional Vaccines**

1 Yrs - Tetanus  
2 Yrs - Hepatitis A

BCG - Bacillus Calmette Guerin (Tuberculosis), OPV - Oral Polio Vaccine (Polio), DPT - Diphtheria Pertussis Tetanus, MMR - Measles Mumps Rubella, TT - Tetanus Toxoid

## NAITIK SHIKSHA

- १- अपने प्रेरणा स्रोत किसी महापुरुष की जीवनी पर आधारित किसी एक घटना का वर्णन अपने शब्दों में लिखिए |  
{चित्र सहित ,ए-4 साइज़ शीट पर }

२- इस वर्ष भारत G20 की अध्यक्षता कर रहा है, ऐसे में भारतीय नागरिक होने के नाते आप किन कर्तव्यों का पालन करेंगे | 50-80 शब्दों में अपने विचार लिखिए |

## SANSKRIT

### संस्कृत कक्षा - अष्टमी ग्रीष्मावकाश कार्य (2023-2024)

- "वसंततिलका छंद " के कोई पाँच श्लोको को अपनी उत्तरपुस्तिका में लिखे और याद करे।
- शब्दरूपाणि :- किम्, तत्, एतत् के शब्दरूप तीनों लिङ्गों में अपनी उत्तरपुस्तिका में लिखे और याद करे।
- गतिविधि :- जी-20 में शामिल प्रत्येक देश की आर्थिक स्थिति की अनुमानित गणना समझाते हुए सभी देशों के नाम "सबसे प्रबल", "सबसे कम" श्रृंखला में लिखो।

