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SESSION 2024-25

CLASS-VI

SUSTAINABLE DEVELOPMENT GOALS



HOLIDAYS HOMEWORK CLASS – VI (2024-25)

SUBJECT – ENGLISH

Q1. Your values, beliefs and confidence are expressed in the way you speak. Prepare a One minute video and upload on the link provided by your subject teacher.

Suggestions-

- Role play based on Indian Nobel Prize Winners
- Poem recitation
- Declamation
- Tenses

REFERENCE LINK : [CLICK HERE](#) (Simple Present Tense)

Q2. Cover your notebook with Yellow sheet and decorate it with some inspirational quotes.

Q3. Portfolio Activity - Write a **Bio-sketch of Rabindra Nath Tagore** on **A4 size sheet** using the given hints-

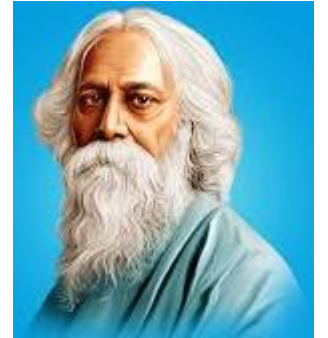
Date of birth & place - 7 May 1861 in Kolkata

Parents - Debendranath Tagore (father), Sarada Tagore - (mother)

Education - homeschooled, later studied law from England

Notable Works - Prolific writer, poet, essayist, playwright, Gitanjali (noble prize for the book), Kabuliwala (famous Afgani story)

Awards & honours - Nobel Prize (1913), Knighthood



Q4. Reading Comprehension :-

Read chapter 3 & 4 from story book **Merchant of Venice** for MCQ to be conducted in July.

हिन्दी

- ज्ञान सरिता भाग – 6 पाठ – 4 , 5 , 6 , 7 तथा 8 पढ़ो और 'कज़ाकी' पाठ का सार A4 साइज शीट पर लिखो।
- वर्तनी सुधार हेतु पाठ 1 से 8 तक 10 – 10 शब्दों की 10 श्रुतलेख लिखो तथा सुधार कार्य करें।
- लेख सुधार हेतु पाँच पेज की सुलेख कीजिए।
- 'रामायण' केवल एक पुस्तक नहीं है। यह भारतीय संस्कृति और नैतिकता का आलेख है। इस आधार पर रामायण से मिलने वाली 5 ऐसी शिक्षाओं के बारे में लिखिए जो मानव समाज के लिए कल्याणकारी हैं।
- विश्व शांति के लिए प्रयासरत रहे नोबल पुरस्कार विजेताओं की चित्र सहित एक सूची बनाकर उनके द्वारा किए गए कार्यों के बारे में लिखिए। (A4 Size Sheet)

- 'कचरा प्रबंधन' (गारबैज मैनेजमेंट) से आप क्या समझते हैं ? यह शब्द किस संदर्भ में प्रयोग किया जा रहा है ? अपने विचार लिखें।
 - अभी तक पढ़ाए गए सभी पाठों को याद करके लिखने का अभ्यास कीजिए।
 - निम्न वर्गीकरण के अनुसार रचनात्मक पुस्तक कवच का निर्माण निम्न विषय के अनुसार करें।
 - (क) 1 से 15 अनुक्रमांक (मुंशी प्रेमचंद्र)
 - (ख) 16 – 30 अनुक्रमांक (महादेवी वर्मा)
 - (ग) 31 – 45 अनुक्रमांक (सुमित्रानंदन पंत)
- निर्देश – (1) सभी गृहकार्य एक अलग पतली सी कॉपी में करें।
 (2) प्रश्न 1, 5 तथा 7 के लिए A4 Size Sheet का प्रयोग करें।
 (3) प्रश्न 9 A4 या A3 Size Sheet का प्रयोग करें।

SUBJECT – MATHEMATICS

1) SHOE DESIGN ACTIVITY

Design a shoe with proper traction for hikers (for reference go through STEM BOOK Ch-9)

After designing it, evaluate your creation and then fill page 68 and 69 in STEM BOOK.

2) Draw attached mind map on A 4 size sheet neatly and revise ch 3 through it.

3) Solve attached case study questions in maths copy

4) Do following questions in Maths notebook:

Enrich 2 (ch 4) Q 1 a, c ; Q 2 a, c,g ; Q 3 a,c,g

Q1 to 4, 6, 7, 17 of pg. 73

Chapter 3: Playing with Numbers

1. The Sieve of Eratosthenes is a simple, ancient algorithm used to find all prime numbers up to any given limit, like 1 to 100, 101 to 200, etc. This method was introduced by Greek Mathematician, Eratosthenes, in the third century B.C. The number table from 1 to 100 is given here. The prime numbers between 1 and 100 can be found by striking out the composite numbers. Read it carefully and answer the questions that follow.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

a. Strike out the composite numbers and find the total number of prime numbers between 1 and 100.
 b. Find seven composite consecutive numbers below 100, which have no prime numbers in between.
 c. Find the twin primes and prime triplets between 40 and 100.

2. Kunal listed down the number of tyres produced in his factory in the last 3 months, and the number of trucks needed to carry them, as given below. He claimed that these tyres can be loaded in the respective number of trucks without leaving any tyre.

| | Number of tyres | Number of trucks | Claim (✓ or ✗) |
|----------|-----------------|------------------|----------------|
| October | 279312 | 11 | |
| November | 471940 | 9 | |
| December | 797445 | 45 | |

a. Validate his claims by applying divisibility rules.
 b. If any of his claims is incorrect, which minimum number should be added to the numbers so that the claim gets verified.
 c. Henna said that 2,79,312 is also divisible by 1, 3, and 6. Raghu said that this number is also divisible by 1, 6, 8, and 9. Who is correct? Justify your answer by giving correct reasons.

Chapter 3 – Playing with Numbers

Factors
 12
 Factors: 1, 2, 3, 4, 6, 12
 Properties:
 • 1 is a factor of every number.
 • Every natural number is a factor of itself.
 • The number of factors of a given number is finite.
 • Each factor is less than or equal to that number.

Multiples
 $5 \times 4 = 20$
 Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100
 Properties:
 • Every number is a multiple of 1.
 • Every number is a multiple of itself.
 • The number of multiples of a given number is infinite.
 • Each multiple is greater than or equal to that number.

Sieve of Eratosthenes
 Prime: Exactly two factors: 1 and the number itself. For example, $13 = 1 \times 13$
 Composite: More than two factors. For example, $24 = 2 \times 3 \times 4$
 Even Numbers: Ends with 0, 2, 4, 6, 8. Example: 32, 64, 48, 50, and 96
 Odd Numbers: Ends with 1, 3, 5, 7, 9. Example: 13, 21, 27, 65, 89

Test of divisibility

- by 2: Ends with 0, 2, 4, 6, 8
- by 3: Sum divisible by 3
- by 4: Last two digits divisible by 4
- by 5: Ends with 0 or 5
- by 6: Divisible by both 2 and 3
- by 7: Difference between twice the unit digit and the remaining part of the given number is either 0 or a multiple of 7
- by 8: Last 3 digits divisible by 8
- by 9: Sum of digits divisible by 9
- by 10: Last digit 0
- by 11: Difference between the sums of digits in odd places and that in even places is either 0 or divisible by 11

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SUBJECT – SCIENCE

TASK 1 - Learn chapter-11 and 8.

TASK 2 - Write down the following lab activities in your Science Lab Manual.

- To test the presence of starch. (Science Book-Page No.109 Activity 1)
- To find the length of a curved line using a thread. (Science Book-Page No.45 Activity 2)

TASK 3 - Make compost in a bottle using the food scraps, waste paper, wood waste and other compostable items. (For reference see page no. 5, Worksheet-2 of Be the Change Book). This is related to SDG Goal No.2 zero Hunger.



TASK 4- To design a magnetic swing (STEM Book- Page No. 35 to 41)

The students are required to design and make a magnetic swing that is powered by magnets and the swing moves back and forth on its own for 1 minute. Prepare a video in school uniform (max 3-4 mins) of the same, explaining the scientific principle behind the activity.

Reference Link- <https://www.youtube.com/watch?v=hixRui6aho0>

Submission Link- <https://forms.gle/f1Wf15NuSvd5LWA67>

TASK 5 - Disaster Management

Students are requested to prepare poster, banner and pamphlets with important road safety messages. This will help students to enlist the precautionary measures to avoid / prevent road accidents.

Reference Link for Road Safety :

https://www.youtube.com/watch?v=_NeEF1fwT4k

Note: You can complete this task in your own creative way.

SUBJECT – SOCIAL SCIENCE

TASK – 1 THINK & WRITE

Prepare a Write up on Modern lifestyle V/S lifestyle of early Humans.

TASK- 2 MAP WORK:-

Locate continents and oceans on a world political map.



Fill important Archaeological sites on a political map of India -

- Burzahom (Kashmir)
- Chirand (Bihar)
- Daojali Hading (Assam)
- Bhimbetka (Madhya Pradesh)
- Hunsgi (Karnataka)
- Mehrgarh (Pakistan)
- Hallur (Karnataka)

For reference check (pg no-22) in social science book.



TASK-3 Read ,Explore, Learn and Write

Prepare notes in outline form or the summary of chapter -

Geography : Ch-3 Motions of the Earth

(Note- summary should cover all the topics of the chapter in short).

Learn the following chapters:-

Ch – 1 History , Ch – 1 Geography , Ch-1 Civics

TASK-4 Hand-on-Activity

Task Make an AQUEDUCT (Refer Stem Activity on Page-21)

Watch this link for this creative Activity

<https://youtu.be/mR9TuOXCF7k?si=g8bEh8Cy6T3AUcjt>

TASK-5 PROJECT

Make a Detailed Project on **STONE AGE.**

Mention about their-

- Periods
- Tools
- Life of the people
- Important inventions etc.

Note- Project should include cover page, Acknowledgement, Index, content according to topic and Bibliography.

Note- Task 1,2 3 and 5 of Social science is supposed to be done in Social Science Manual/Activity copy

संस्कृत

1. शब्दरूप- 'पुष्प' के शब्दरूप लिखिए व याद कीजिए।
2. धातुरूप- दृश, पा और अस् धातु के लट् लकार रूप लिखिए व याद कीजिए।
3. 10 अंगों के नाम संस्कृत में चित्र सहित लिखिए व याद कीजिए।
4. कोई भी एक श्लोक अर्थ सहित लिखिए व याद कीजिए। (ए-4 साइज शीट)
पाँच-पाँच पुल्लिंग, स्त्रीलिंग, और नपुंसकलिंग शब्द चित्र सहित लिखिए।

SUBJECT – G.K

Note: Maintain a small scrap book and do all the GK H.HW in that scrap book neatly and creatively.

- Q1.** Collect the top news headlines (pictures also if available) from the newspaper for 10 days and paste them in your scrapbook. For each day, the headlines to be collected are:
- a. Two National News
 - b. Two International News
 - c. One Discovery or Invention
 - d. One Sports News
- Q2.** Write some lines about Five famous Hill stations of India in a scrap book.
- Q3.** Write 10 current affairs based on national, international, sports etc.
- Q4.** Learn and write the Indian states with their Capital.

SUBJECT : COMPUTER

SOFTWARE TO BE USED: MS Word

Make a project on topic 'Computer Memory and Its Devices'. Insert SmartArt Graphics hierarchy and insert images to explain the types of computer memory.

Make a greeting card using MS word features and send it to your friends using mail merge feature of MS word.

NOTE: HOMEWORK SHOULD BE SUBMIT ON HOMEWORK SECTION.

SUBJECT : DRAWING

Q1. Draw and colour the following in Drawing Note Book :

- (i) Vase (Book Pg. 84)
- (ii) Object Shade (Book Pg. 15)

Q2. Craft Activity

Make a Useful Craft with help of Newspaper