THE S D VIDYA SCHOOL, NOIDA

SUMMER HOLIDAY HOMEWORK

(2024-25)

CLASS - VI

Dear students,

"Self-belief and hard work will always earn you success."

Holidays provide a much-needed respite from the daily routine and academic pressure. It allows you to unwind, spend quality time with family and friends, and engage in activities you love. Balancing holidays and studies is a crucial aspect of a student's life. While they are meant for relaxation and enjoyment, it is equally important to maintain a certain level of focus on studies during these breaks. By setting realistic goals and creating a conducive study environment, you can effectively utilize holidays to consolidate knowledge, enhance skills, and stay academically on track. Moreover, incorporating breaks and leisure activities into your study routine can help to maintain focus, reduce stress, and make study sessions more productive. Ultimately, by finding the right balance between holidays and studies you can enjoy the break while also making progress in your academic journey.

KEEP IN MIND TO:

- Pray to the Almighty daily and thank Him for the blissful life that you enjoy.
- Give prime importance to your health.
- Set and maintain a routine at home. Be a good time manager.
- Practice positive thinking and be grateful for what we have.
- Relax, listen to music, or read books.
- Be a helping hand to your parents and learn the skill of shared responsibility.

MOST IMPORTANT:

- Make sure that all the syllabus done by May is revised thoroughly.
- Complete the assignments.

REMEMBER:

"THE FUTURE BELONGS TO THE COMPETENT. GET GOOD, GET BETTER, BE THE BEST!"

INTERDISCIPLINARY PROJECT ON

"Universal Access to Water and Sanitation"

LEARNING OBJECTIVE:

By the end of the holiday, students should be able to understand the principles of water resource management and conservation, including the importance of water preservation, methods for sustainable water usage, and strategies for protecting water ecosystems. They should also be able to propose practical solutions for promoting water conservation in their community or region.

INTRODUCTION:

Water is a finite resource essential for all life on Earth. As our global population grows and environmental pressures mount, the need for effective water resource management and conservation becomes increasingly urgent. This introduction sets the stage for exploring the critical principles and practices necessary to ensure our precious water sources' sustainable use and preservation. Through understanding the dynamics of water ecosystems, implementing conservation strategies, and fostering community engagement, we can work towards securing a resilient and equitable water future for generations to come.

Instructions:

✓ Working Models and Posters: Use recycled and eco-friendly materials where possible. Be creative and ensure the models and posters are visually appealing and informative.

- ✓ Documentation: Maintain a project diary documenting your activities, observations, and reflections. Include photographs, sketches, and data tables as evidence of your work.
- ✓ Presentation: Compile your work into a comprehensive project report. Be prepared to present your findings and models to your class after the holidays.

Evaluation Criteria:

- ✓ Creativity and Innovation: Originality and resourcefulness in creating models and posters.
- ✓ Interdisciplinary Integration: Effective integration of concepts from different subjects.
- ✓ Communication Skills: Clarity and coherence in written and oral presentations.
- ✓ Effort and Participation: Consistent effort and active participation in all activities.

➢ Maths

Water Usage Calculation

Activity: Calculate the amount of water used in daily activities such as brushing teeth, taking a shower, washing dishes, etc.

Task: Keep a weekly water usage diary and calculate the total amount of water used. Create a bar graph representing the daily usage.

Geometry and Measurement:Activity: Design a simple model of a rainwater harvesting system. Task: Measure and calculate the volume of water that can be collected from a given roof area during rainfall.

➢ Science

Water Purification Experiment:

Activity: Conduct an experiment to purify water using simple methods like filtration and boiling.

Task: Document the process with pictures and explain the science behind water purification.

Model

Rainwater Harvesting System:Materials: Use recycled materials like plastic bottles, pipes, and containers to create a model of a rainwater harvesting system.

Task: Present the model with labels explaining each part and how it helps collect and store rainwater.

➢ English

Story Writing:

Activity: Write a short story about a community's journey to access clean water.

Task: Create characters and a plot that emphasize the challenges and solutions related to water access.

➤ SOCIAL SCIENCE:

➤ Map: Water Scarcity and Sanitation Issues Map

- Objective: Identify and visualize global and local water scarcity and sanitation issues
- Materials:
  I. Large map of the world and India
  II. Colored markers or pins
  III. Legend key for different issues (e.g., water scarcity, sanitation, pollution)
- **Steps:**
  I. Research areas with critical water issues. Mark these areas on the map using different colors or pins.
  II. Create a legend explaining each color or pin type.
  III. Add brief notes next to each marked area explaining the specific issues.

Presentation: Discuss the marked regions, explain the reasons for water scarcity or sanitation problems, and suggest possible solutions.

➤ Scrapbook: Water and Sanitation Awareness Scrapbook
➤ Objective: Compile a scrapbook to raise awareness about water and sanitation issues.

Materials: A blank scrapbook or notebook with printed articles, photos, charts, grape scissors, glue, colored pens, and markers

Contents:

I. Introduction Page: Write an introduction about the importance of water and sanitation.
II. Articles: Include newspaper clippings or printed articles on current water and sanitation issues globally and locally.
III. Pictures: Add pictures of clean and polluted water sources, sanitation facilities, and people affected by water issues.
IV. Charts and Graphs: Create and include charts showing statistics like water usage per capita, areas with water scarcity, and access to sanitation facilities.
V. Case Studies: Write brief case studies on successful water and sanitation projects in various communities.
VI. Personal Reflections: Add your reflections on what you've learned and any actions you can take to help.
VII. Solutions and Innovations: Include information about new technologies and methods being used to solve water and sanitation issues.

➤ HINDI

निबंध लेखन: विषय: जल संरक्षण का महत्व

गतिविधि: जल संरक्षण के महत्व पर एक निबंध लिखें।

कार्य:

- परिचय: जल संरक्षण (water conservation) को परिभाषित करें और उसका महत्व समझाएँ।

MATHEMATICS ASSIGNMENT 1

Q1. Sort out even and odd numbers: 13, 28, 41, 99, 50, 255, 132, 664, 59, 29, 71, 165, 14

Q2. Find the HCF of 70, 105, 175.

Q3. Determine the smallest three-digit number which is exactly divisible by 6, 8 and 12.

Q4. Find the prime factorization of 4900

Q5. Find the L.C.M of the following by prime factorization method:
(i) 42, 63, 162
(ii) 42, 78, 104, 112

Q6. Write seven consecutive composite numbers less than 100 so that there is no prime number between them.

Q7. Find the HCF of the following numbers:
(a) 16, 48   (b) 20, 60   (c) 18, 54, 81

Q8. Using divisibility test, determine which of the following numbers are divisible by 2; by 3; by 4; by 5; by 6; by 8; by 9; by 10; by 11.

Number	Divisible by								
	2	3	4	5	6	8	9	10	11
128									
82956									
187425									
275									
53056									
76392									
17322									

Q9. The length, breadth and height of a room are 825cm, 675cm and 450cm respectively. Find the longest tape which can measure the three dimensions of the room exactly

Q10. Fill in the blanks

a. The number_____is the smallest prime number and is even.
b. First three multiples of 11 are_____.
c. The HCF of two co- prime numbers is_____.
d. The LCM of two co-prime numbers is_____.
e. A number is divisible by_____, if it is divisible by both 3 and 6.

f. The numbers which are not multiple of 2 are called_____numbers.

g. The numbers which are a multiple of 2 are called__numbers.

h. First two multiples of 8 are_____.

MATHEMATICS ASSIGNMENT 2

<u>SECTION A</u>

1. 3×10000+0×1000+8×100+0×10+7
   (A) 30087   (B) 30807   (C) 3807   (D) 3087

2. 1 billion is equal to
   (A) 100 millions   (B) 10 millions   (C) 1000 lakhs   (D) 10000 lakhs

3. Which of these is the greatest number?
   (a) 38926 ones   (b) 4905 tens   (c) 3450 hundreds   (d) 210 thousands

4. In Indian System of Numeration, the number 61711682 is written, using commas, as
   _____

5. The smallest 4 digit number with different digits is _____

6. Insert comas in appropriate place and write following numbers according to Indian and international system.
   (a)1900218   (b)50500401   (c)206008010

7. Make the greatest and the smallest 4-digit numbers using any four different digits, with conditions as given. (Note: - the digits should not repeat.)
   (a) Digit 5 is always at one's place   _____
   (b) Digit 1 is always at tens place   _____

8. Fill in the blanks:
   (a) 1 crore = _____ millions
   (b) 10 lakh = _____ten thousands
   (c) ten million = _____lakh
   (d) one hundred thousand = _____ lakh

9. Arrange the following numbers in descending order:
   (a) 12098, 12980, 12890, 12089
   _____

   (b) 2008909, 299088, 2000899, 298099
   _____

10. Write the numbers for the following number names and insert comas at proper places.
    (a) Five lakh one hundred twenty-one   _____
    (b) Eighty crore six thousand fifty-three   _____
    (c) Ninety-three lakh eight thousand seven   _____

(d) forty-eight million five thousand two hundred five   _____

(e) Eight million seven thousand five   _____

SECTION B

Solve following Problems

1. Population of Agra and Aligarh districts in the year 2001 was 36,20, 436 and 29,92,286, respectively. What was the total population of the two districts in that year?

2. In one state, the number of bicycles sold in the year 2002-2003 was 7,43,000. In the year 2003-2004, the number of bicycles sold was 8,00,100. In which year were more bicycles sold? and how many more?

3. The town newspaper is published every day. One copy has 12 pages. Everyday 11,980 copies are printed. How many total pages are printed everyday?

4. The number of sheets of paper available for making notebooks is 75,000. Each sheet makes 8 pages of a notebook. Each notebook contains 200 pages. How many notebooks can be made from the paper available?

5. Interchange the digits in hundreds and tens place in the number 54,150. Can you tell if the value of new number will increase or decrease and by how much?

ENGLISH GRAMMAR PRACTICE WORKSHEET

Q1. Fill in the blanks with the articles – 'A', 'AN' OR 'THE'

_____ B M Birla Science Museum in Hyderabad was inaugurated in September 1985 by _____ late Chief Minister of _____ state. _____ museum has ____ planetarium with _____ latest and _____ most trendy equipment. _____ planetarium offers ____ experience transports _____ visitors into _____ new world, as _____they watch _____ large dome of an open sky, full of shining stars looking down upon _____them. _____ newest addition to _____ planetarium is _____ Dinosaurium. It is a unique Natural History gallery. It has a rare and magnificent fossil of _____ Kotasaurus, belonging to _____ Jurassic Age. One can also see ____ collection of small fossils of dinosaur eggs, marine shells and fossilised tree trunks. You must plan ____ trip to _____ museum. It offers _____ different kind of entertainment along with _____ opportunity.

Q2. Circle the verbs in the following sentences.

1. The dog ran after the mailman.

2. Our favourite costume was the old witch.

3. My sister became a doctor.

4. He called the police because I told him about the burglar.

5. Mary seems tired.

6. The most useful book is the dictionary.

7. We flew kites last Saturday.

8. John is one of my closest friends.

9. Yesterday was a long day.

10. Jack dropped the phone in terror.

Q3. Underline the noun and identify its type:

1. Martha is a beautiful name for a baby.

2. My Aunt Sally believes that peace in the world is the most important thing.

3. I can hear the wind blowing outside my window.

4. Last summer I went to Disney World, and the heat was unbearable.

5. In the movie, Martians were invading the planet.

6. The soccer team won first place in the championships.

7. Justin decided to attend college at Cambridge University.

8. Last year, I had earned points on my average for completing extra credit.

9. The music in the auditorium was so loud that my ears rang the next day.

10. Can you see the ice forming on the windows because of the cold.

Q4. Circle the correct pronoun to complete the sentence:

1. Bob gave the hat to (he, him).

2. Mom wouldn't let (we, us) go to the park.

3. Cheryl, Tim and (I, me) love carrots.

4. We gave (ourselves, themselves) a treat.

5. (She, her) got a new car.

6. (They, Us) told (they, them) to go to the party.

7. The class and (he, him) are competing for the title.

8. The teacher gave the class and (we, us) lots of homework.

9. Yesterday, (he and I OR him and me) went to the mall.

10. Please don't tell (she, her) about the broken glass.

Q5.Read the following sentences given below and identify the type of the present tense.

1. The flight takes off at 5:30 p.m.

2. Amy drinks coffee every morning.

3. Ira is reading Sherlock Holmes.

4. The team is playing quite well.

5. Sam has just gone out.

6. I have known Riya for a long time.

7. I am writing a new story.

8. The child has been watching television for hours.

9. They have been shopping for days.

10. Asif has eaten all the cookies.

ENJOY YOUR HOLIDAYS !!