

**THE S D VIDYA SCHOOL, NOIDA**  
**SUMMER HOLIDAY HOMEWORK**

**(2024-25)**

**CLASS - VII**

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!”

**Wishing all the students a joyful learning and happy holidays.**

## INTERDISCIPLINARY PROJECT ON

### "Building Sustainable Cities: Exploring Strategies for a Brighter Future"



#### LEARNING OBJECTIVE

**To understand the significance of building inclusive, safe, resilient, and sustainable cities and their impact on urban living. Students will explore the challenges and solutions related to urbanization, learn about innovative urban planning practices, and develop ideas for contributing to sustainable urban development in their communities.**

#### INTRODUCTION:

- As urbanization transforms the world, making cities inclusive, safe, resilient, and sustainable is essential. With over half the population in urban areas, addressing challenges like inadequate infrastructure, environmental degradation, and social inequality is crucial.
- This summer homework explores sustainable urban development. Students will learn how to enhance urban quality of life while protecting the environment. Through real-world examples and innovative solutions, they will understand how sustainable urban planning creates vibrant communities and how they can contribute to this effort.

#### 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.

## ➤ Mathematics: Data Analysis and Geometry Data Collection and Analysis:

**Activity:** Survey your neighbourhood or a nearby city area to collect data on waste management practices (recycling, composting, landfill usage).

**Task:** Create bar graphs and pie charts to represent the collected data. Analyze and interpret the results to understand current waste management practices.

**Geometry in Urban Planning:** Activity: Design a sustainable city model using geometrical shapes.

**Task:** Draw a city map to scale on graph paper, including elements like parks, residential areas, commercial zones, and transportation networks. Calculate the area and perimeter of different sections.

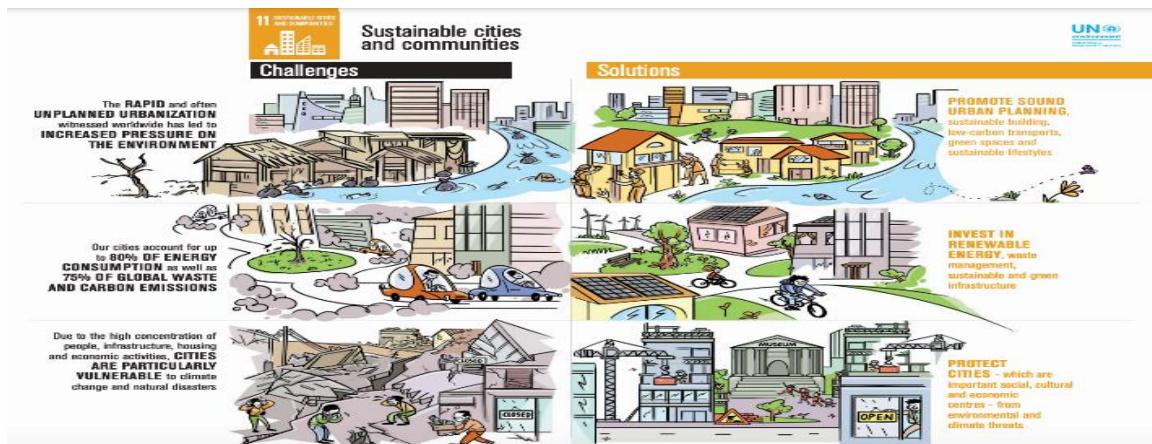
## ➤ SOCIAL SCIENCE: URBAN DEVELOPMENT AND SUSTAINABILITY

- **Poster Making:** Activity: Create a poster on the importance of sustainable cities.

**Task:** Highlight key features of sustainable urban living such as green spaces, public transportation, renewable energy, and waste reduction.

- **Map Creation:** Activity: Create a detailed map of a sustainable city.

**Task:** Use different colors and symbols to represent various sustainable features like green zones, water bodies, residential areas, and public transport routes. Include a key/legend to explain the symbols used.



- **Scrapbook:** Activity: Make a scrapbook on sustainable cities around the world.

**Task:** Collect pictures, newspaper clippings, and articles on different cities' sustainable practices. Write a brief description of each city's approach to sustainability.

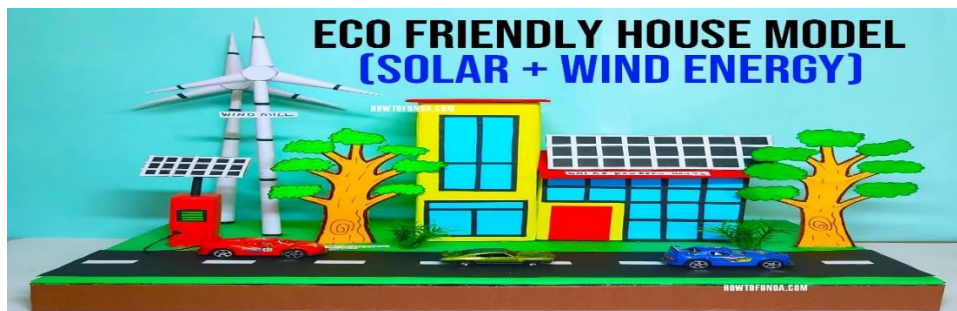
## ➤ Science: Environmental Impact and Innovation Environmental Impact Study

**Activity:** Conduct a study on the impact of air pollution in urban areas.

**Task:** Measure air quality in different parts of your city using simple tools or available online data. Analyze the data and suggest ways to reduce air pollution.

**Working Model:** Activity: Build a working model of a green building or eco-friendly house.

**Task:** Use recycled materials to construct the model. Include features such as solar panels, rainwater harvesting systems, and green roofs. Explain how these features contribute to sustainability.



- **हिंदी: रचनात्मक अभिव्यक्ति और जागरूकता**
- ✓ **निबंध लेखन:**

गतिविधि: "सतत(SUSTAINABLE)विकास के लिए सतत शहर" पर एक निबंध लिखें।

कार्य: सतत शहरों का महत्व और वे कैसे सतत विकास प्राप्त करने में सहायक हो सकते हैं, पर चर्चा करें। उन प्रथाओं और तकनीकों के उदाहरण शामिल करें जो सतत शहरी जीवन में योगदान देती हैं।

कविता या कहानी:

गतिविधि: एक सतत शहर में निवासी के जीवन के एक दिन पर केंद्रित एक कविता या छोटी कहानी लिखें।

कार्य: स्थिरता को बढ़ावा देने वाले लाभ और दैनिक प्रथाओं पर जोर दें।

- **एक अलग कॉपी बनाकर 15 सुलेख कीजिए**

### ➤ **English: Communication and Advocacy**

- **Article Writing:** Activity: Write an article on "The Future of Urban Living: Embracing Sustainability. (150-180 Words)(A3 Size Sheet)

**Task:** Describe innovative solutions for making cities more sustainable and how individuals can contribute.

- **Public Speaking:** Activity: Prepare a speech on the importance of sustainable cities.

**Task:** Present your speech to your family or friends, focusing on key aspects like renewable energy, efficient public transport, and community involvement.

- **Creative Writing:** Activity: Write a short story set in a futuristic sustainable city. (A3 Size Sheet)

**Task:** Imagine how daily life would look in a city that has fully embraced sustainability, including transportation, housing, and community life.

-> **Revise all the work done in Literature and do the attached assignment.**

**SUB: ENGLISH**

**ASSIGNMENT-1**

**Q A. Go through the sentences provided below and identify the type of tenses.**

1. Damon drinks coffee every morning.
2. The boy got up late and missed the bus.
3. My mother goes to pray in the temple.
4. The team is playing very well.
5. The school will be closed for winter break.
6. Leonard graduated from college last year.
7. The baby has eaten all the chips.
8. Have you read Pride and Prejudice?
9. The train has just left the station.
10. The sick child has been sleeping for three hours.

**Q B. Go through the sentences and change their tenses as directed.**

1. The boy speaks the truth. (Present Continuous Tense)
2. Mr Cooper has spoken about Dinosaurs. (Present Perfect Continuous Tense)
3. The boat sailed yesterday. (Simple Present Tense)
4. Amy went to school yesterday. ( Present Continuous Tense)
5. The baby cried for hours. (Present Perfect Continuous Tense)
6. Robert ate all the cookies. (Present Perfect Tense)
7. I have finished my assignment. (Past Perfect Tense)
8. Mr Bert had taught for five years. (Past Perfect Continuous Tense).
9. Dev saw the Prime Minister yesterday. (Past Continuous Tense)
10. Priya has finished stitching the dress. (Past Perfect Tense)

**QC. Fill in the blanks with the suitable form of the verb in the following sentences.**

1. I \_\_\_\_\_ (go) to school every day.
2. Teena \_\_\_\_\_ (love) ice cream.
3. Did you \_\_\_\_\_ (find) the pink dress I \_\_\_\_\_ (ask) for?
4. I will \_\_\_\_\_ (come) to the party tomorrow.
5. My mom \_\_\_\_\_ (clean) the house yesterday evening.
6. My name \_\_\_\_\_ (to be) Sheena D'Souza.
7. That bottle \_\_\_\_\_ (belong) to me.
8. My son, Sid can \_\_\_\_\_ (count) up to fifty.
9. Freddy will be \_\_\_\_\_ (go) to work tomorrow.
10. Joshua \_\_\_\_\_ (play) football.

**SUB: MATHEMATICS**

**ASSIGNMENT NO.1**

**Q1.** Convert 6.432 into a decimal fraction.

**Q2.** If 12 inches = 1 foot (ft) then change 549 inches into ft.

**Q3.** A fruit seller buys 712 fruits, of which  $\frac{3}{4}$  are apples. Of all the apples that he bought,  $\frac{1}{3}$  were found to be rotten. If he sold all the good apples at Rs.5 each. How much money did he receive on selling all the good apples.

**Q4.** If 21.875 litres of oil is in  $3\frac{1}{2}$  cans of tin of equal capacity, find the capacity of oil in each can.

**Q5.** What is the value of  $(-22)-[(-23)-(-17)-(-61)](-22)-[(-23)-(-17)-(-61)]$

**Q6.** What should be subtracted from -9876 to obtain -9512 ?

**Q7.** The temperature of a city is  $4^{\circ}\text{C}$ . Next day the temperature falls by  $5^{\circ}\text{C}$ . What is the temperature of the city next day?

**Q8.** Fill in the blanks

i. Sum of integer and its additive inverse is \_\_\_\_\_

ii. Sum of -22 and -44 is \_\_\_\_\_

iii. \_\_\_\_\_ is absolute value of -998

iv.  $36 \div (\text{_____}) = -9$

**Q9.** A divers descends 20 feet in the water from the boat at the surface of a lake. He then rose 12 feet and descends another 18 feet. At this point what is his depth in water?

**Q10.** Verify the following

a.  $(-22) \times [(-4) + (-5)] = [(-22) \times (-4)] + [(-22) \times (-5)]$

b.  $(-12) \times [(3) + (-9)] = [(-12) \times (4)] + [(-12) \times (-9)]$

**Q11.** The price of the stock decreases Rs. 45 per day for four consecutive days. What was the total change in value of the stock over 4 day period?

**Q12.** A group of hikers is descending the mountain at a rate of 600 feet per hour. What is the change in elevation of hiker after 6 hours?

