



DELHI PUBLIC SCHOOL GWALIOR

UNDER THE AEGIS OF
THE DELHI PUBLIC SCHOOL SOCIETY, NEW DELHI



Holiday Assignment

Class - VIII

Session (2026-27)



Greetings of the day!

Vacations are the best time to relax and enjoy. Summer vacations are the reason behind fun in the sun, beach and shadow of the umbrella, but it is also the time to keep some analogy of academics alive in the fun to chisel the inherent potential inside your child. My suggestion to you is to spend these holidays being sociable and be vibrant in undertaking your plans so that the vacation is made purposeful.

To begin with, enhance every precious moment prudently by motivating your child to read informative and enlightening books. Help them improve their speech by conversing with them on every possible occasion and strop their vocabulary by providing them with new words. Spend substantial time visiting your kith and kin and people in your vicinity. Hold parley with your child on daily happenings and crucial world events as this is the best time to update, put forth your thoughts, notions and ideas before your ward and ask for an opinion, be a constant supporter of tolerance and disseminate it amongst people, teach your child to help and let him/her realize the meaning of real happiness and harmony and certainly root out all possible ill feelings and factions. Try being friendly and benevolent to all, let your child play the part in family reunions which will strengthen your family bond. Look out for the ways to abrade the plodding routine and take up some supportive vigorous activities with your child like swimming, cycling, jogging, painting or any other activity that your child enjoys.

It's your time to make every single moment eventful and memorable for your child and fill them with loads of experiences, which he/she eagerly wants to share with his/her pals and Educators when returned to School.

I wish you a pleasant vacation!

Regards

**Principal
Delhi Public School Gwalior**

ADD ONS TO MAKE YOUR VACATION MEANINGFUL !!

Childhood is a crucial stage of development. Most important lessons of life are learnt here! Let us join hands and make sincere efforts to augment and hone the learning process of the child through inculcation of self learning and keen observation.

- * Let us attempt to enable them by allowing them to assume responsibilities of the routine household and shopping chores. (e.g.: laying the table, serving the guests, making their beds, buying groceries from the nearby stores etc.)
- * Let us make them aware about their social responsibilities which will transform them into a responsible citizen of our society. (e.g.: keeping the surroundings clean, make use of public litter bins, switching off lights / fans / closing the taps properly etc.)
- * They should be taught how to connect with Almighty God through prayers and meditation. (e.g.: daily prayers, thought of the day, meditate to improve the concentration etc.)
- * Socialize and connect with people, neighbours and relatives. (e.g.: meeting & greeting neighbours, helping the elderly around, be friendly to the peers etc.)

We wish all the great for your summer holiday time. May all the pleasure in the world embrace you, let your fun endless with friends and family.

Note : Kindly do all the Holiday Assignments neatly and submit it latest by July 10, 2026.

SUBJECT – ENGLISH

“Explore, Imagine, and Express” ✍

A. Travel Blog: A Journey to Remember →

Create your own travel blog entry based on a real or imagined journey.

Include:

- A catchy title
- Description of the **place/location**
- Your **experiences, observations, and emotions**
- Interesting details about the **culture, food, or people**
- A **reflection**: What did you learn from this journey?

Enhance your work with photographs, sketches, or a map.

Note :- You may create it on A4 sheet or in a file.

B. *Our school curriculum provides us with a 'Home Book' filled with fascinating passages and poems. Delve into the enriching content during your holiday break and complete the exercises provided in your Home Book from Chapter 1: 'January Night' to Chapter 5: 'The Tea Kettle'.*

Stay Safe, Stay Healthy!

HAPPY HOLIDAYS

SUBJECT – HINDI

❖ सामान्य निर्देश –

- गृहकार्य की जाँच आपकी रचनात्मकता, स्वच्छता, व्याकरणिक ज्ञान, प्रस्तुतीकरण एवं विषयवस्तु पर आधारित होगी व उसी के अनुसार आपको अंक दिए जाएँगे।
- लिखित कार्य के लिए आपके पास जो सामग्री (चार्ट पेपर, उत्तर-पुस्तिका, रंगीन तथा सादा कागज़ A4 साइज़) उपलब्ध हो उन पर पूर्ण करें।
- चित्रों व सजावटी सामान का प्रयोग आवश्यकतानुसार करें।

प्रश्न 1. लगभग 15 दिन तक प्रतिदिन रेडियो या टीवी पर समाचार सुनिए और महत्वपूर्ण समाचारों को अपने शब्दों में लिखकर एक सामयिकी (current affairs) संग्रह तैयार कीजिए।

अथवा

5 जून विश्व पर्यावरण दिवस है इस उपलक्ष्य में पर्यावरण संरक्षण का संदेश देते हुए पोस्टर बनाए या अनुच्छेद लिखें या कोई कविता लिखें और उस पर अपने अभिभावक (माता या पिता) से टिप्पणी लिखवाएं।

प्रश्न 2. नीचे कुछ कहानियों के नाम दिए जा रहे हैं। इन्हें खोजकर पठन कीजिए और अपनी मनपसंद कहानी पढ़कर अपने मित्रों एवं अपने परिवार के लोगों के बीच सुनाइए।

- ❖ पंच परमेश्वर (प्रेमचंद)
- ❖ संवदिया (फणिश्वर नाथ रेणु)

SUBJECT - SANSKRIT

1. पुष्पो/सब्जियों के नाम संस्कृत भाषा में चित्र सहित A4 साइज चार्ट पेपर/स्क्रेप बुक में लिखिए।
अथवा
"पंचतंत्र" पुस्तक का मुखपृष्ठ आवरण (कवर पेज) बनाइए।
2. "यत्" शब्द रूप तीनों लिंगों में (पुल्लिंग , स्त्रीलिंग, नपुंसकलिंग) अपनी उत्तर पुस्तिका (नोटबुक) में सुंदर ढंग से लिखिए।
3. "51 से 75" तक संख्या संस्कृत भाषा में अपनी उत्तर पुस्तिका (नोटबुक) में सुंदर ढंग से लिखिए।

SUBJECT – MATHEMATICS

General Instructions :

- ❖ **Attempt all questions.**
- ❖ **Part – I consists of 10 Multiple Choice questions.**
- ❖ **Part – II consists of 10 Assertion and Reasoning questions.**
- ❖ **Part – III consists of 10 Problem Solving questions.**
- ❖ **Part – IV consists of 5 Case based questions.**
- ❖ **Use A4 size ruled sheets to show your creation.**

I. Multiple Choice Questions :

- Q.1 The square of 35 is:
(a) 1125 (b) 1225 (c) 1325 (d) 1425
- Q.2 Which of the following is a perfect cube?
(a) 125 (b) 150 (c) 175 (d) 200
- Q.3 Square root of 144 is:
(a) 10 (b) 11 (c) 12 (d) 14
- Q.4 The cube root of 216 is:
(a) 4 (b) 5 (c) 6 (d) 7
- Q.5 Which number ends with digit 6 when squared?
(a) 4 (b) 7 (c) 8 (d) 9
- Q.6 $2^3 \times 2^4 = ?$
(a) 2^7 (b) 2^{12} (c) 4^7 (d) 2^1
- Q.7 $5^0 = ?$
(a) 0 (b) 1 (c) 5 (d) -1
- Q.8 $10^3 = ?$
(a) 100 (b) 1000 (c) 10000 (d) 10
- Q.9 Cube of 9 = ?
(a) 729 (b) 81 (c) 512 (d) 243

- Q.10 Which is NOT a perfect square?
(a) 49 (b) 64 (c) 72 (d) 81

II. Assertion and Reasoning Questions : (Q11 to 20)

For each question, choose the correct option:

- (A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true but R is not the correct explanation of A
(C) A is true but R is false
(D) A is false but R is true

- Q.11 **Assertion (A)** : 64 is a perfect cube.

Reason (R) : $64 = 4^3$

- Q.12 **Assertion (A)** : The square of any odd number is odd.

Reason (R) : $\text{Odd} \times \text{Odd} = \text{Odd}$

- Q.13 **Assertion (A)** : 125 is a perfect cube.

Reason (R) : $125 = 5^3$

- Q.14 **Assertion (A)** : 36 is a perfect cube.

Reason (R) : $36 = 6^2$

- Q.15 **Assertion (A)** : $a^3 \times a^4 = a^7$

Reason (R) : Add exponents when bases are same

- Q.16 **Assertion (A)** : $(2^3)^2 = 2^6$

Reason (R) : Multiply exponents when power raised to power

- Q.17 **Assertion (A)** : $0^3 = 0$

Reason (R) : Zero to any positive power is zero

- Q.18 **Assertion (A)** : Cube of an even number is even

Reason (R) : $\text{Even} \times \text{Even} \times \text{Even} = \text{Even}$

- Q.19 **Assertion (A)** : $10^0 = 1$

Reason (R) : Any non-zero number to power 0 is 1

- Q.20 **Assertion (A)** : $(a^2)^3 = a^5$

Reason (R) : Exponents are added when multiplying powers

III. Solve the following :

- Q.21 A number when squared gives 2304. Without using calculator, find the number.

- Q.22 Find the smallest number by which 180 must be multiplied to make it a perfect square.

- Q.23 Evaluate: $(9^2)^3 \div 3^4$

- Q.24 Find the cube root of 17576 using prime factorization.
- Q.25 If $n^2 = 2025$, find the value of n .
- Q.26 Simplify using laws of exponents: $(2^3 \times 2^4) \div 2^5$
- Q.27 A perfect square ends with how many zeros if the number itself ends with 3 zeros?
- Q.28 Find a number whose square is equal to the sum of first 10 odd numbers.
- Q.29 A lock has 4 positions. Each position can be filled with digits 1–6. No repetition allowed. How many different passcodes are possible?
- Q.30 Find the smallest number by which 200 must be divided to make it a perfect cube.

IV. Case based questions

- Q.31 A school in Gwalior is designing a square playground. The side of the playground is 18 m. To beautify it, a square grass pitch is made inside such that its area is exactly $\frac{1}{4}$ th of the playground area.



Answer the following on the basis of above information.

- (a) Find the area of the playground.
- (b) Find the area of the grass pitch.
- (c) Find the side of the grass pitch.
- (d) If tiles costing ₹10 per m^2 are used to cover the remaining area, find total cost.
- Q.32 A factory manufactures cube-shaped boxes for packaging sweets. Each box has a side of 5 cm. During a festival, they prepare a larger cube container which can hold exactly 64 small boxes.



Answer the following on the basis of above information.

- (a) Find the volume of one small box.
- (b) Find total volume of 64 boxes.
- (c) Find the side of the large cube container.
- (d) Verify whether the number of boxes (64) is a perfect cube.
- Q.33 A computer system stores data in powers of 2. The storage doubles every year. Initial storage = 2 GB



Answer the following on the basis of above information.

- (a) Write storage after 1st, 2nd, and 3rd year in exponential form.
- (b) Find storage after 6 years using powers.
- (c) Express 64 GB in power form.
- (d) Compare: Storage after second and third year.
- Q.34 A student observes the pattern:
 Square numbers $\rightarrow 1, 4, 9, 16, 25, \dots$
 Cube numbers $\rightarrow 1, 8, 27, 64, 125, \dots$



Answer the following on the basis of above information.

- Find the 7th square number.
- Find the 6th cube number.
- Check whether 729 is a perfect square or cube.
- Find the difference between 2^5 and 4^3 .

Q.35 A house records electricity consumption as follows:

Month-wise units follow pattern:

1, 4, 9, 16, 25, ...

The electricity department notices that consumption follows a square pattern.



Answer the following on the basis of above information.

- Write the next three terms of the pattern.
- Find the square root of 256 units.
- If cost per unit = ₹5, find cost for 16^2 units.
- Express 625 as a power of 5.

SUBJECT – SCIENCE

General Instructions

- Choose any one project from the given options and complete it neatly.
- Prepare the project on A4 size sheets with proper headings, labels, and presentation.
- Attach stepwise photographs with brief descriptions of the process.
- Include Aim, Materials Used, Procedure, Observations, and Conclusion in your project file.
- Be ready to submit and demonstrate your project after the summer vacation.

THEME : SCIENCE AROUND ME & KAUSHAL BODH

Students may choose any one project from the following:

PROJECT 1: GROW PLANTS IN WATER – HYDROPONICS

Grow methi without soil, just in water.

Material Needed:

- Old plastic bottle, cut in half
- Cotton or sponge
- Methi seeds
- Water + pinch of NPK fertilizer

How to Make:

- Step 1: Put cotton in a bottle cap with holes.
- Step 2: Add seeds on cotton.
- Step 3: Fill the bottom bottle with fertilizer water.
- Step 4: Fix the top part upside down so cotton touches water. Keep in the sun.

What You Learn:

- Plants don't always need soil to grow.
- Water + nutrients + sunlight = food for plants.
- This method saves water and space.



[Share pictures clicked stepwise with brief description and submit your project using A4 size sheets.]



PROJECT 2: AUTO NIGHT LAMP – HOME AUTOMATION

Work with Machines and Materials

What is it?

A small light that turns ON by itself when it gets dark.



Material Needed:

- LDR sensor – 1
- LED bulb – 1
- 9V battery
- Small cardboard box for “room”

How to Make:

- **Step 1:** Connect LDR, LED, and battery with wires.
- **Step 2:** Put it in a cardboard room.
- **Step 3:** Close the box = dark → LED turns ON.
Open = light → LED turns OFF.

What You Learn:

- Sensors can help machines “see” light and dark.
- This is how street lights work automatically.
- This is a simple example of automation using sensors.

[★] Show, submit project and demonstrate it.



PROJECT 3: DRIP IRRIGATION SYSTEM – SMART FARMING

Work with Water Management and Sustainable Agriculture

What is it?

A system that gives water drop by drop directly to plant roots, saving water.



Material Needed:

- Plastic bottle / container
- IV tube / straw / pipe
- Tape
- Plant pot with soil
- Water

How to Make:

- **Step 1:** Fill the bottle with water.
- **Step 2:** Attach pipe/straw at the bottom.
- **Step 3:** Place the pipe near plant roots.
- **Step 4:** Adjust flow so water drips slowly.
- **Step 5:** Observe how water reaches roots gradually.

What You Learn:

- Drip irrigation saves water.

- Plants get water directly at roots.
- Farmers use this smart method in dry areas.



PROJECT 4: ECO ENZYME / NATURAL CLEANER – WASTE TO WEALTH **Work with Household Resources and Green Chemistry**

What is it?

A natural cleaner made from fruit/vegetable peels that can be used for cleaning at home.



Material Needed:

- Citrus fruit peels (orange/lemon)
- Jaggery / brown sugar
- Water
- Plastic bottle / container

How to Make:

- **Step 1:** Add fruit peels into bottle.
- **Step 2:** Add jaggery and water.
- **Step 3:** Close loosely and keep for fermentation (observe process).
- **Step 4:** After fermentation, strain the liquid and use it as a cleaner.

What You Learn:

- Kitchen waste can be reused productively.
- Natural cleaners reduce chemical pollution.
- Waste can be converted into useful household products.



SUBJECT - SOCIAL SCIENCE

GENERAL INSTRUCTIONS

- ✍️ WRITE OR TYPE THE WORK IN A NEAT AND CLEAN FORMAT
- 📄 USE PROPER HEADINGS AND SPACING
- 🎨 ADD COLORS AND SIMPLE DRAWINGS WHEREVER REQUIRED
- 📅 MENTION NAME, CLASS, SECTION, AND DATE CLEARLY
- 🗒️ USE SIMPLE AND CLEAR LANGUAGE
- 📌 KEEP YOUR WORK CLEAN AND WELL ORGANIZED
- 🕒 COMPLETE AND SUBMIT ON TIME
- ❖ SELECT ANY ONE PROJECT OF YOUR CHOICE OUT OF THESE THREE.

📄 **PROJECT 1:** DESIGN AN ARTICLE FOCUSING ON RECENT INTERNATIONAL CONFLICT



PROJECT 2: MODEL MAKING: CREATE A 3D MODEL DEMONSTRATING A RENEWABLE ENERGY SOURCE (SOLAR COOKER, WIND TURBINE)

OR

A METHOD FOR RAINWATER HARVESTING



PROJECT 3: "THEN VS. NOW" GOVERNANCE DIARY: A COMPARATIVE PROJECT WHERE STUDENTS CREATE A DIARY . HALF THE DIARY IS WRITTEN FROM THE PERSPECTIVE OF A VILLAGER DURING THE SULTANATE PERIOD (REVENUE , JUSTICE) AND THE OTHER HALF AS A MODERN VOTER EXERCISING THEIR FRANCHISE IN A GRAM PANCHAYAT ELECTION .

GUIDELINES FOR PROJECT -3



"Then vs. Now" Governance Diary Project guidelines.



Project Overview for Project 3

Students will create a two-part diary:

- Part 1 (THEN): A villager living during the Delhi Sultanate
 - Part 2 (NOW): A modern citizen participating in a Gram Panchayat election
- The diary should reflect how governance, rights, responsibilities, and daily life have changed over time.



Structure of the Diary



PART 1: "THEN" – Life During the Sultanate Period

Students write as a villager (5–7 diary entries)



Key Themes to Include:

- Revenue/Tax System
 - Paying land tax to officials (like amils)
 - Burden of taxation
- Justice System
 - Role of Qazi (judge)
 - Lack of equality or voice
- Daily Life
 - Farming, dependence on monsoon
 - Fear or respect for rulers
- Voice of People
 - Limited participation in governance
 - No voting rights



Sample Prompts:

- "Today the tax collector came..."
- "A dispute in the village was taken to the court..."
- "We heard orders from the Sultan..."








PART 2: "NOW" – A Modern Voter's Diary

Students write as a villager participating in elections (5–7 entries)



Key Themes to Include:

-  Voting Process
 - Registering, campaigning, voting day experience
 -  Local Governance
 - Role of Panchayat
 - Decision-making in village development
 -  Justice & Rights
 - Equality before law
 - Ability to raise complaints
 -  Citizen Participation
 - Awareness, discussions, debates
-  Sample Prompts:
- “Today I cast my vote for the first time...”
 - “Candidates visited our village...”
 - “The Panchayat discussed building a road...”

Presentation Guidelines

Format

- Handmade diary / scrapbook / digital booklet
- Divide clearly into “THEN” and “NOW” sections

Creativity Ideas

- Illustrations (village scenes, courts, voting booths)
- Maps or symbols
- Use of dates (historical vs modern)
- Different writing styles (formal vs conversational)

Content Guidelines

- ✓ Accuracy
 - Use correct historical terms (Sultan, Qazi, tax system)
 - Reflect real democratic processes today
- ✓ Comparison Element

Encourage students to highlight differences:

 - No vote vs right to vote
 - Fear vs participation
 - Tax burden vs public welfare
- ✓ Personal Voice
 - Write in first person (“I”)
 - Include emotions, opinions, experiences

SUBJECT - FRENCH

Question:

Pendant les vacances d’été, décrivez votre routine quotidienne en français. Ajoutez aussi **des images ou des dessins** pour illustrer votre routine quotidienne.

During the summer holidays, describe your daily routine in French. Also, add **pictures or drawings** to illustrate your daily routine.

Exemple: (Divya, Classe 8):

Pendant les vacances d'été, **Divya**, élève de classe 8, se réveille **tard**. Ensuite, elle se lève et se lave. Elle prend une douche et se brosse les dents. Après, elle s'habille et prend le petit-déjeuner avec sa famille.

Puis, elle va à la bibliothèque ou reste à la maison pour étudier un peu. À midi, elle déjeune. L'après-midi, elle regarde la télévision ou joue.

Le soir, elle rentre à la maison (si elle est sortie) et prend le dîner. Ensuite, elle regarde la télévision avec sa famille. Enfin, elle va au lit, se couche et s'endort.

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