

**NAV PRAYAG PUBLIC SCHOOL**  
**SUMMER HOLIDAYS HOMEWORK (2025-26)**

**CLASS-8<sup>th</sup>**  
**Mathematics**

1. Learn and write table 2 to 25.
2. Learn and write square and cube numbers from 2 to 30.
3. Draw the tree diagram of number system in a chart paper.
4. Represent the different angles by colour paper folding and pasting in chart paper.
5. Do practice book of page numbers 14 all questions of **Topic-Rational numbers**
6. Do practice book of page numbers 19 and 20 all questions of **Topic: Linear equation in one variable?**
7. Frame and Solve 30 questions using BODMAS rule.
8. Draw 2-D and 3-D shapes also write formula with one example.
9. Solve Revision assignment, HOTS and mental mathematics from chapter number 01,02 and 03.

**Computer**

1. Prepare a chart of Types of Networks.
2. What are the advantages of networking?
3. Explain Network Architecture.
4. Briefly explain Client-Server Architecture.
5. Define the term Topology.
6. What is the difference between ordered and unordered lists?
7. What is the use of the <ol> tag?
8. Explain the table layout property of the table.
9. Write an HTML code on
  - a. Importance of Games and Sports
  - b. Advantages and disadvantages of AI
10. Write a program in HTML to print
  - a. Printer
  - b. Monitor
  - c. Projector
  - d. Plotter
11. Draw the figure of Point-to-Point (PTP) topology on chart paper or project file and write about PTP topology.

**English Literature**

**A-Vocabulary:** From the chapter 1, 2 and 3, choose 10 new/unfamiliar words (in each chapter) and Write their meanings (Also Use each word in your own sentence.)

**B-Answer the given questions**

1. Why was Jim Macpherson surprised during the Christmas truce?
2. Describe how the letter was found and its condition. What made it special?
3. Do you think war ever brings peace or understanding? Justify your answer in 3-4 Sentences.
4. If you were the narrator, would you have returned the letter? Why or why not?

**Chapter 2: The Tsunami**

1. Compare the reactions of Meghna and Almas. How were they different yet brave?
2. What does this chapter teach us about natural disasters and human courage?
3. Describe how Tilly Smith helped save many lives.
4. Write two facts about tsunami waves you learned from the story.

**Poem: The Ant and the Grasshopper**

1. Why did the ant refuse to help the grasshopper? Was it right or wrong? Explain.
2. What do you think the grasshopper learned by the end of the story?
3. Rewrite the ending of the story with a twist: What if the grasshopper helped the ant instead?
  - \*Write a letter from Jim's wife Connie replying to Jim's letter.
  - \*Learn all the word meanings and question answers of lesson 1 and the poem.

## English Grammar

C. Change the following sentences as directed.

1. It is raining heavily.(Change into an Interrogative sentence)
2. Can you help me with my homework?(Change into an Imperative sentence)
3. What a beautiful sunset it is!(Change into a Declarative sentence)
4. Close the door.(Change into an Interrogative sentence)
5. Is he coming to the party?(Change into a Declarative sentence)
6. Please pass me the salt.(Change into a Declarative sentence)
7. I can't believe we won the match!(Change into an Interrogative sentence)
8. The child is crying loudly.(Change into an exclamatory sentence)
9. Don't touch the wires.(Change into a Declarative sentence)

D. Pick any 5 sentences from one NCERT chapter (e.g., The Tsunami).

Write them in their original tense, and then transform them into:

1. Past Tense
2. Present Tense
3. Future Tense

(Example: "The waves destroyed the village." → "The waves destroy the village." → "The waves will destroy the village.")

E. Imagine you are Jim Macpherson or Connie.

Write a diary entry (100–120 words) describing what happened on Christmas Day during the war.

Use Past Simple, Past Continuous, and Past Perfect tenses where appropriate.

**Activity based** (Role-Play or Speech)-Prepare a 2-minute speech or monologue on any of these:  
"Why Reading is Important" or "If I were the Ant or the Grasshopper ..."

### Letter writing

1. Write a letter to the editor of a newspaper about the need for tree plantation in your Locality.
2. Write a letter to the Municipal Commissioner complaining about waterlogging in your area.

## हिन्दी साहित्य

1. पाठ 1 के आधार पर बताइए की मशीनों तथा तकनीकों से मनुष्य को किस प्रकार लाभ एवं हानि पहुंचाई।
2. ग्रामीण जीवन और शहरी जीवन में आप क्या अंतर पाते हैं अपने विचार लिखिए।
3. पाठ 2 बस की यात्रा के आधार पर आप अपनी किसी बस यात्रा का अनुभव लिखिए जो की आपकी स्मृति में हो।
4. आप भविष्य में क्या बनना चाहते हैं बताइए।

## व्याकरण

1. संयुक्त व्यंजन (क्ष,त्र,ज्ञ,श्च) अनुनासिक तथा विसर्ग की मात्रा वाले दस – दस शब्द बनाइए।
2. द्वित्व व्यंजन तथा संयुक्ताक्षर में क्या अंतर है? दोनों से बनने वाले 15-15 शब्द बनाइए।
3. अपनी बड़ी बहन या भाई को अपने आने की सूचना देने हेतु एक अनौपचारिक पत्र लिखिए।

### क्रियात्मक गतिविधि

1. चार्ट पेपर पर गद्य की विभिन्न विधाओं के बारे में रचनात्मक रूप से लिखिए।
2. किसी चिकने पत्थर पर रंगों से फूल पत्ती की कलाकृति बनाए।

## Social Studies (History)

1. What official records do not tell?
2. Mention one important source used by historians in writing about the last 250 years of Indian history.
3. Why did the British preserve official documents?
4. How did the invention of the printing press help in spreading news and information?
5. Why we continue to associate history with a string of dates?

**Activity:** Create a timeline chart of important events related to the revolt of 1857. Write about 5 important leaders and their contributions in 1 page.

**Civics:** 1. In Nepal, when did the interim constitution come into effect?

2. What do you understand by a secular state?

3. Explain right to freedom of religion?

**Activity 1:** Write and beautifully decorate the preamble of the Indian constitution. Make a creative poster on "Secularism in India".

**Activity 2:** Make a collage of pictures showing 5 different types of natural resources. Write 5 lines about a nearby river, forest, or any natural resource in your area.

**Map Work (1)-** Take a Political map of India and mark: Major rivers in south India & 7 sisters of east India. **(2)** Important cities related to the revolt of 1857.

**(3)** On an Indian political map (outline)-Mark any 5 important cities where British administration centers were located (e.g., Delhi, Calcutta, Bombay, Madras, etc.)

**Project work: (1)** Prepare a small project report (4-5 pages) on "Sustainable Development".

You may also create a poster or model related to the topic.

**(2)** Make a Timeline Chart of Indian History as per James Mill's division:

(a) Ancient

(b) Medieval

(c) Modern

*(Add relevant pictures/drawings to make it more attractive)*

### **Research Activity**

Interview a grandparent or elder and ask:

- What stories or memories do they have about British rule or Independence?
- Write a short paragraph (100 words) summarizing what they shared.

### **Science**

#### **1. Experimental Based Question**

Q1- Soak moong seeds overnight. Observe germination after 2-3 days.

Q2- Light a candle and observe 3 zones of flame given in NCERT textbook. Note down in your homework copy.

#### **2. Observation Based Question**

Q1- How will you observe good and healthy seeds?

Q2- What colour flame do you notice in LPG cylinder flame?

Q3- What causes the black marks on utensils heated on open flame?

#### **3. Question / Answer**

Q1- What are the steps involved in crop production? Draw the figure of each step and write the details about it?

Q2- How is petroleum formed? Why petro chemicals are replaced today from solar energy?

Q3- Define combustion. Name 3 conditions required for combustion.

Q4- What are the differences between complete and incomplete combustion?

Q5- Write ways to reduce friction. Identify the way and write in your copy.

Q6- Why do soaked seeds germinate but dry ones do not?

**4. Key terms** Animal husbandry, Winnowing, Weedicides, Hoe, Friction, Contact force, Non-contact Force, Winnowing, Silos.

**5. Fill Workbook** - Pg – 34-39; 105-107 (short Question answer)

**6. Project** Prepare a file on the Topic-Fossil fuel (Production, Usage, Side Effects, Alternatives)

7.-Read chapter-2, find hard words and write Hindi meaning in your book.