



**The Punjab Public School Nabha
Holiday Home Work**

Winter Break (Dec 2024– Jan 2025)

Class-VIII (ICSE)

ENGLISH

1. Stay updated with current affairs

- Read an English newspaper daily.
- Select one news article each week, summarize it in your own words, and write why you found it interesting (100-150 words). Maintain these summaries in a neat notebook.

2. Expressive Writing

(a) Essay Writing:

“If I Were the Prime Minister of India” (250-300 words)

Imagine you are the Prime Minister of India. Share what you would do to make the country better.

- Focus on areas like education, healthcare, technology, environment, and equality.
- Highlight one major change you would implement and explain why.

(b) Creative Letter Writing:

“A Letter to Your Favourite Author”

Write a letter to your favourite author expressing how his/her book (s) inspired or influenced you.

- Mention what you loved about his/her writing, your favourite book, and how it impacted your thoughts or actions.
- Include any questions you would like to ask the author about his/her stories or creative process.

3. Biography Writing

Research on **Kailash Satyarthi** and **Elon Musk** and write their biographies (200 words).

- Include their early life, career milestones, achievements, and how they inspire you.
- Add a concluding line about what you learned from their journey.

4. Explore and Create

(a) Character Sketch:

Choose a character from a story you have read recently and write a detailed character sketch

(150-200 words). Describe their personality, role in the story, and what makes them memorable.

(b) Mini Research Task:

Pick a topic like “Famous Indian Authors,” “Eco-friendly Practices in Daily Life,” “Inventions That Changed the World” or “**India’s Natural Marvels** like the Living Root Bridges of Meghalaya or Lonar Lake.”

5. Vocabulary Builder

Maintain a Vocabulary Journal:

Write 5 new words daily from the newspaper, a book, or a dictionary.

Include their meanings, synonyms, antonyms, and use them in a sentence of your own.

6. Reading Challenge

Read one storybook or novel during the holidays. Recommended options:

“Charlotte’s Web” by E.B. White

“The Secret Garden” by Frances Hodgson Burnett

“Percy Jackson and the Olympians: The Lightning Thief” by Rick Riordan

- Write a book review (200 words), mentioning the storyline, main characters, and your favourite part.

Note: Please solve Terminal Papers (Language & Literature) in your Language and Literature notebooks separately.

MATHEMATICS

Note: All the work is to be done on a separate notebook

- Solve the terminal term question paper. Write all the formulae of the chapters (already done).
- Do the specified questions from the text book.

Exercise 1(A)	Q2(parts 1,3,5,7,9), Q3(2,4)
Exercise 1(B)	Q2(3,5) Q3,Q4
Exercise 1(C)	Q3(2,4)
Exercise 1(D)	Q3,Q5,Q7,Q9 and Q10
Exercise 1(E)	Q4(part2) Q5 (part2)
Exercise 2(A)	Q1(7,8,9), Q3
Exercise 2(B)	Q2(2,3), Q4(7,8,9),Q6(all parts)
Exercise 3(A)	Q6(3,4) Q7(2,3)
Exercise 3(B)	Q2 (all parts), Q3(2,4,6)
Exercise 4(A)	Q3(1,3,5,7), Q4(2,4)
Exercise 4(B)	Q3(1,4,7), Q4(1,3,5)

Exercise 7(A)	Q3(1), Q4(1), Q5(1), Q7 and Q9
Exercise 7(B)	Q3, Q4
Exercise 9(A)	Q2, Q5, Q6(1) , Q7(2)
Exercise 9(B)	Q2, Q3
Exercise 9(C)	Q2,Q3,Q5
Exercise10(A)	Q6,Q9
Exercise10(B)	Q2,Q7,Q8
Exercise10(C)	Q1,Q2,Q4 ,Q8
Exercise11(B)	Q2(3,4,5), Q5(1), Q7
Exercise11(C)	Q2(2,4), Q3(1,3,5)
Exercise11(D)	Q1(2,4,6,8,10,12,14)
Exercise11(E)	Q1(1,3,5,7,9)
Exercise12(A)	Q2(2,4,6,8), Q3(2,4), Q4(1,3,5)
Exercise12(B)	Q2(1,4), Q3(2,4), Q4(3,5)
Exercise12(C)	Q1,Q3, Q5, Q7
Exercise13(A)	Q2, Q4, Q6, Q8
Exercise13(B)	Q2, Q4, Q6, Q8
Exercise13(C)	Q2,Q3, Q4, Q6, Q9
Exercise13(D)	Q5, Q10, Q11, Q12, Q14, Q18
Exercise13(E)	Q2, Q4,Q5,Q8,Q9
Exercise14(A)	Q4,Q7,Q14,Q16
Exercise14(B)	Q3,Q5,Q7
Exercise15(A)	Q3, Q4, Q5
Exercise22(B)	All questions
Exercise23	Q1 to Q10

PHYSICS

Instructions:

1. All assignments must be completed neatly in your Physics notebook.
2. Ensure all diagrams are drawn with proper labels where necessary.

Reattempt the Terminal Examination Paper

- Attempt all questions from the recent terminal examination again.
- Revise concepts thoroughly and identify areas of improvement.

2. Reading Activity

- Read the next upcoming chapter in your textbook
- Chapter: Sound
- Frame 5 questions from the chapter for discussion in class.

3. Reasoning Assignment

Chapter: Force & Pressure

1. Why is it easier to cut vegetables with a sharp knife than a blunt one?

2. Explain why a camel can walk easily on sand compared to a human.
3. Why does a balloon burst when too much air is filled into it?
4. Why do vehicles have broad tires when moving on soft ground?
5. Why do deep-sea divers wear specially designed suits?
6. Explain why a table exerts an upward force when a book is kept on it.

Chapter: Energy

1. Why is energy considered the capacity to do work?
2. Explain why fossil fuels are considered non-renewable sources of energy.
3. Why does a stretched rubber band have potential energy?
4. Why does a moving car have kinetic energy?
5. Why are solar panels placed on rooftops instead of inside homes?
6. Explain why energy transformations are never 100% efficient.

Chapter: Light Energy

1. Why is a blackboard clearly visible from all parts of a classroom?
2. Explain why a pencil appears bent when partially submerged in water.
3. Why can you see your reflection in a mirror but not in a wall?
4. Why do shadows form when an opaque object blocks light?
5. Why do objects appear white, black, or coloured under sunlight?
6. Explain why the Sun appears reddish during sunrise and sunset.

Chapter: Heat Energy

1. Why does metal feel colder to touch than wood on a winter morning?
2. Explain why boiling water does not increase in temperature once it starts boiling.
3. Why are cooking utensils made of metals but their handles made of wood or plastic?
4. Why does ice melt faster when held in hand than when left on a table?
5. Why do coastal areas experience moderate climates compared to inland areas?
6. Explain why woollen clothes keep us warm in winter.

4. Chapter Summary

- Create a mind map or flowchart summarizing the key topics from all chapters studied so far.
- Use colours and illustrations to make it visually appealing.

CHEMISTRY

Do exercise questions of following chapters in **separate notebook**.

1. Language of chemistry
 2. Atomic structure
 3. Chemical changes are reactions
 4. Elements, compounds and mixtures
- Revise acid and basic radicals. Using these radicals write 300 chemical formulas with their chemical name.

- Write all the acid and basic radicals every day in your separate notebook.
- Solve Terminal question paper in class notebook.

BIOLOGY

- **Solve the Terminal Term Paper in Fair Biology Notebook.**
 - **Do the following in a scrap book.**
1. Draw a flowchart on the various types of diseases.
 2. Make a list of communicable and non-communicable diseases. Mention the preventive measures to control them.
 3. Write a note on vaccination and immunization process for 0 -15 years of children in your local area. Make or paste a table mentioning the vaccination, disease it prevents, number of dose required.
 4. Draw a flowchart on the types of nervous system in humans.
 5. Draw neat labeled diagrams of: (a) Human Heart (b) Human Brain (c) Nerve cell-neuron