

SAINIK SCHOOL GOAPLGANJ
SUMMER VACATION ASSIGNMENT: 2025-26

विषय=हिंदी

कक्षा-10

- 1) रचना के आधार पर वाक्य के कितने भेद हैं? भेदों की परिभाषा लिखिए।
- 2) 'वाच्य' की परिभाषा और उसके भेदों उदाहरणसहित लिखिए।
- 3) 'पद-परिचय' की परिभाषा और उसके भेदों उदाहरण सहित लिखिए।
- 4) आपके मोहल्ले में पालतू जानवरों के इलाज के लिए अस्पताल खोला गया है। इसके लिए एक विज्ञापन तैयार कीजिए।
- 5) स्वतंत्रता दिवस के शुभ अवसर पर देशवासियों के लिए एक संदेश लिखें।
- 6) अनुच्छेद लिखिए ;
 - i) पाश्चात्य सभ्यता की गिरफ्त में आते युवा
 - ii) मधुर वाणी की महत्ता।
- 7) आप ग्रीन बेल अपार्टमेंट, द्वारका में रहते हैं। आपके इलाके में एक सीवर टूट गया है जिसके कारण नाले का गंदा पानी सड़क पर आ गया है। ज्यादा गंदा फैल रहा है। सीवर की मरम्मत करवाने हेतु निगम अधिकारी को cdaf@eafg.com पर ई-मेल लिखिये।

SAINIK SCHOOL GOPALGANJ
SUMMER VACATION HOMEWORK SESSION 2025-26

CLASS-X

SUB-ENGLISH

1. Choose a novel or a story book of your own choice. Read the book over the summer vacation and write a comprehensive book review in 200-250 words analyzing the plot, characters, themes, and your personal reflection on the story.

How to Do:

The review is to be written in 250-300 words keeping in mind the given aspects:

- a) About the Book
 - b) About the Writer
 - c) Summary
 - d) Favourite character (s)
 - e) Analysis
2. Expand the poem "Fire and Ice" into a short story. What situations might lead the world to end in "fire" or "ice"? Use your imagination to build characters, conflict, and resolution.

OR

Write a poem inspired by "Dust of Snow". Focus on how a small moment in nature can change a person's mood or day.

3. Design a poster on any one of the following:

- "Save Wildlife – Let Tigers Roam Free"
- "Believe in Humanity – Restore Faith in Goodness" (*A Letter to God*)
- "Power of Positive Change – A Spark of Nature" (*Dust of Snow*) Include:
 - A creative title
 - A short slogan or quote
 - Artwork or graphics (hand-drawn or digital)

4. Individual Vocabulary Project

Title: "My Word Journal"

How to Do:

- From the chapters covered so far in the classroom, pick minimum 40 new or interesting words.
- For each word, include:
 - The word
 - Meaning
 - Part of speech
 - Synonym/Antonym
 - Use it in a sentence (preferably your own)
 - A small illustration or image (optional)

Presentation:

- Handwritten or digital
- Attractively designed (colorful headings, clear layout)

5. Character Interview Script

Write a mock interview with Lencho, Mrs. Pumphrey, or Mandela. You ask the questions and write their imagined answers.

6. Write the second letter that Lencho would write to God after receiving the money from the post office. Express your thoughts on receiving less than what you asked for, your doubts, and your continued belief in divine help.

Hint:

- Express gratitude to God
- Mention the missing amount
- Mention suspicion of the post office employees
- Ask God to send the rest — but not through the post office

SAINIK SCHOOL GOPALGANJ
HOLIDAY SUMMER VACATION 2025

CLASS : X

SUBJECT : MATHEMATICS

1. If 1 is a root of the equations $ay^2 + ay + 3 = 0$ and $y^2 + y + b = 0$, then find the value of ab .
2. Find the value of p so that the quadratic equation $px(x - 3) + 9 = 0$ has two equal roots.
3. Find the value of m so that the quadratic equation $mx(x - 7) + 49 = 0$ has two equal roots.
4. Solve the following quadratic equation for x : $4x^2 + 4bx - (a^2 - b^2) = 0$
5. Find that non-zero value of k , for which the quadratic equation $kx^2 + 1 - 2(k - 1)x + x^2 = 0$ has equal roots. Hence find the roots of the equation.
6. Three consecutive natural numbers are such that the square of the middle number exceeds the difference of the squares of the other two by 60. Find the numbers.
7. If the sum of two natural numbers is 8 and their product is 15, find the numbers.
8. A shopkeeper buys some books for 80. If he had bought 4 more books for the same amount, each book would have cost ₹1 less. Find the number of books he bought.
9. Sum of the areas of two squares is 400 cm^2 . If the difference of their perimeters is 16 cm, find the sides of the two squares
10. The diagonal of a rectangular field is 16 metres more than the shorter side. If the longer side is 14 metres more than the shorter side, then find the lengths of the sides of the field.
11. Solve the following pair of linear equations for x and y :
 $141x + 93y = 189$
 $93x + 141y = 45$
12. Solve the following pair of linear equations for x and y :
 $\frac{b}{a}x + \frac{a}{b}y = a^2 + b^2$; $x + y = 2ab$
13. Solve the following pair of equations:
 $49x + 51y = 499$
 $51x + 49y = 501$
14. A man earns ₹600 per month more than his wife. One-tenth of the man's salary and $\frac{1}{6}$ th of the wife's salary amount to ₹1,500, which is saved every month. Find their incomes.
15. The sum of the digits of a two digit number is 8 and the difference between the number and that formed by reversing the digits is 18. Find the number.
16. The age of the father is twice the sum of the ages of his 2 children. After 20 years, his age will be equal to the sum of the ages of his children. Find the age of the father.
17. On reversing the digits of a two digit number, number obtained is 9 less than three times the original number. If difference of these two numbers is 45, find the original number.
18. Speed of a boat in still water is 15 km/h. It goes 30 km upstream and returns back at the same point in 4 hours 30 minutes. Find the speed of the stream.
19. The owner of a taxi company decides to run all the taxis on CNG fuel instead of petrol/diesel. The taxi charges in city comprises of fixed charges together with the charge for the distance covered. For a journey of 12 km, the charge paid is 789 and for journey of 20 km, the charge paid is ₹145. What will a person have to pay for travelling a distance of 30 km?
20. A boat takes 4 hours to go 44 km downstream and it can go 20 km upstream in the same time. Find the speed of the stream and that of the boat in still water.

SAINIK SCHOOL GOPALGANJ
SUMMER VACATION PROJECT/ ACTIVITY BASED ASSIGNMENT

CLASS X

SUB: SCIENCE

TITLE- CHEMICAL REACTIONS AROUND US

Chemical reactions are nothing but chemical changes. There are a number of chemical reactions that take place in our daily lives such as- rusting of iron, photosynthesis, curdling of milk, bleaching action by bleaching powder etc. Most of the chemical changes are very useful to us while a few are undesirable changes. These chemical changes may be combination reactions, decomposition displacement or redox reactions.

AIM

To understand and identify different types of chemical reactions around us and to observe colour changes, state and temperature changes in these chemical reactions

1. ACTIVITY DESIGN

Complete a CHART/POSTER covering following aspect mentioned below in a Creative way

- Describe **five** such chemical processes that take place in our daily lives and their importance in our lives
- Find out any three chemical changes that take place in industries. Describe these three chemical processes that take place in industries and their major usefulness to us.
- There are a number of substances (chemical substances) we use in our day to day lives such as soaps, detergents, shampoos bleaching powder, baking powder etc. Find out the names of different chemicals present in these substances and the work they do. You can include five such substances we use in our day to day lives.
- You can consult net or reference books, collect data, draw graphs or paste pictures and wrappers of products and from old magazine or newspapers to complete your assignment.

- Complete an Assignment related to Mirrors and Lenses in our life

Mirror and Lens are useful in our day-to-day life. Describe the uses of all these mirrors and lenses with ray diagram.

SAINIK SCHOOL GOPALGANJCLASS – X (2025-26)
SUB: SOCIAL SCIENCE (PROJECT WORK)

Consumer Awareness

Synopsis:

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|---|--|
| 1. Acknowledgement | 7. Consumer Rights under COPRA 1986 |
| 2. List of Contents | 8. Consumer Empowerment under COPRA 2019 |
| 3. Introduction | 9. Bureau of Indian Standards and Certifications & Logos |
| 4. The Consumer in the Market Place before COPRA 1986 | 10. Skills to Become a Well-informed Consumer |
| 5. UN Guidelines for Consumer Protection | 11. Conclusion |
| 6. Consumer Movement in India | 12. Bibliography |

Method to Complete the Project:

- Collect relevant data
- Analyses them
- Draw inferences
- Submit your **handwritten** Research Work in about 16-17 **A4** size paper post vacation.
- Ensure 100% accuracy and originality.

Rubrics for Assessment:

Sr No	Aspects	Marks
(a)	Content accuracy and Originality	2
(b)	Competencies exhibited and Presentation	2
(c)	Viva-Voce	1
	Total	5