

PRABHU DAYAL PUBLIC SCHOOL, SHALIMAR BAGH

HOLIDAY HOMEWORK 2025-26

CLASS-X

“Success is the sum of small efforts repeated day in and day out.”

Dear Parents,

Summer Vacation is a time for the children to enjoy and relax. These days are precious and valuable and can be made most from if judiciously used. We should always remind ourselves that children will not remember us for the gifts we shower upon them but will always cherish the time we spent with them. It is time to nurture young minds, inculcate moral values and narrate family anecdotes to keep them in touch with their roots.

It's summertime again! The time to strengthen family bond, tying threads of family tree, sharing joys and sorrows and having a good time together.

Here are a few tips to make the vacation a fruitful time for your child:

- Look for interesting books and read as much as you can about the places and people. Take good care of your health and hygiene. Avoid heavy and oily food and increase intake of fresh fruits and water to keep yourself well hydrated and energetic.
- Use Holiday Homework as an opportunity to spend quality time together. The role of the parent is to be a facilitator and guide to steer the child in the right direction.
- Encourage your child to take up yoga or any other form of healthy activity during the vacation.
- Involve children in household chores.
- Enjoy walking with them in parks and appreciate nature.

General instructions:

In order to keep our students well engaged and to revise and be thorough with the portions we have completed so far, we are sending the Summer Holiday Homework. We request parents to encourage the kids to finish their homework during the summer holidays. This will help them to have a revision of all the portions without over burdening them. Original work by the child shall be acknowledged and assessed.

Follow the guidelines given by teachers to complete specific activities.

Happy holidays!

HOLIDAYS HOMEWORK

CLASS-X (2025)

ENGLISH

1. Research & Presentation (Written or Digital)

Topic: "Global Citizens Who Changed the World"

Task: Nelson Mandela the global change maker.

Instructions:

Write a 300-400 word profile

Highlight his contributions and values.

Include a quote and your reflection on it.

2. Formal Letter Writing

Title: Letter to the Municipal Commissioner Regarding Local Climate Action (To be done in the English Register)

Your locality has been severely impacted by the effects of climate change-rising temperatures, unpredictable rainfall, frequent water-logging, unmanaged waste, and worsening air quality. Despite growing public concern, there has been a noticeable lack of sustainable and driven environmental action.

As a responsible and environmentally conscious citizen, write a formal letter to the Municipal Commissioner of your city to highlight these urgent issues. Request the implementation of eco-friendly initiatives such as:

- ban on single-use plastics

- Large-scale afforestation drives
- Installation of solar-powered street lighting
- Civic awareness campaigns on climate change

Your letter must include:

1. The correct formal letter format
2. A logical structure: brief introduction, detailed elaboration of the issue, practical suggestions, and a compelling conclusion
3. A respectful yet assertive tone with persuasive and impactful vocabulary

Word Limit: 100-120 words

3. Poster with Slogan:

Theme: “Green Cities, Clean Cities”

Design an informative poster with a catchy slogan encouraging sustainable urban living.

4. Unseen Comprehension

Do 2 comprehension questions given in your respective Resource Books in your fair English register.

हिंदी

निर्देश-दिए गए गृहकार्य को कक्षा अभ्यास पुस्तिका में कीजिए-

प्रश्न 1) अब तक कराए गए समस्त पाठ्यक्रम की पुनरावृत्ति कीजिए।

प्रश्न 2) अपने माता-पिता, बड़े भाई-बहन या परिवार के अन्य बड़े सदस्यों से उनके जीवन के बारे में बातचीत कीजिए और पता लगाइए कि बेहतर ढंग से जिंदगी जीने के

लिए क्या काम आया समझदारी, पुराने अनुभव या किताबी पढ़ाई ? सदस्य के परिचय के साथ उनके विचारों का सार लिखिए।

प्रश्न 3) फ़ौज या सेना के अलावा और किस प्रकार हम देश की सेवा कर सकते हैं । अपने विचारों को 100 के 150 शब्दों में लिखिए।

प्रश्न 4) आपने अपनी पाठ्य पुस्तक 'स्पर्श भाग-2' में संत महाकवि कबीर की साखियाँ पढ़ी

हैं । आप उनकी किसी भी एक साखी को सचित्र उन्नत हिंदी सुलेख तकनीक (calligraphy) द्वारा लिखिए। उपरोक्त कार्य के लिए आप नीचे दिए गए लिंक की सहायता ले सकते हैं।

<https://youtu.be/YcbLnABnJSM?si=uHyn8bTpOC8XB47s>

Mathematics

Section A

Q1. Express $2.\overline{345}$ in p/q form.

Q2. Find LCM and HCF of a^3b^2c , abc , a^2b^5c .

Q3. Prove that $\sqrt{5}$ is an irrational number.

Q4. Prove that $\sqrt{3} + \sqrt{5}$ is an irrational number.

Q5. If α , β are the zeroes of the polynomial $x^2 + x - 6$, find

$(\alpha^2 - \beta^2) / (\alpha^2 + \beta^2)$.

Q6. Solve graphically: $x - y + 1 = 0$ and $3x + 2y - 12 = 0$ Determine the coordinates of the triangle formed by these lines and the x-axis. Shade the region.

Q7. Solve system of equations by elimination and substitution methods:

$$4x + 7y = -11 \text{ and } 5x - y + 4 = 0$$

Q8. Find the roots of the equation: $\frac{x}{x+3} - \frac{6}{6-x} = \frac{9}{10}$

Q9. The sum of the reciprocals of Rehman's age (in years) 3 years ago and 5 years from now is $\frac{1}{3}$. Find his present age.

Q10. A two-digit number is such that the product of its digits is 18. When 63 is subtracted from the number, the digits interchange their places. Find the number.

Q11. Find the mean, median, and mode for the following data:

Cls. ltn.	20-40	40-60	60-80	80-100	100-120	120-140
Freq.	35	52	61	38	10	5

Q12. One card is drawn from a well-shuffled deck of 52 cards. Calculate the probability that the card will: (i) be an ace and (ii) not be an ace

Q13. Two different dice are thrown together. Find the probability that the numbers obtained have an even sum.

Q14. Find the probability that there will be 53 Tuesdays in a leap year.

Q15. Find the probability that a number selected from the numbers 1 to 25 is not a prime number, when each of the given numbers is equally likely to be selected.

.Section B

Make a crossword puzzle on mental maths.

Section C

Write a life history and achievements of any one mathematician and paste a picture of that mathematician in Lab Activity/Maths Copy.

Section D

Revision of the NCERT syllabus covered so far in class.

Social Science

I. Prepare a project report on the topic (Any one)-

Consumer Awareness Or Social Issues Or Sustainable Development

Important Instructions

While preparing the project, the points to be kept in mind are:

Kindly use Spiral Project File

- The project report should be handwritten.
- Page limit- 15-20 sheets.
- Project should have: cover sheet, index, introduction, conclusion, acknowledgement and bibliography/references.
- The cover sheet of the project should have the following details:

I. Theme of the Project

II. Name

III. Class and Section

IV. Subject

- Use maps, pictures, diagrams and relevant data for illustration.
- The collected data should have a reliable source and that should be mentioned with it.
- Use eco-friendly products for the project.

Note: This project report is a part of internal assessment.

2. Revise the covered syllabus for PWT-I

SCIENCE

PHYSICS and CHEMISTRY

1. The year 2030 agenda for sustainable development adopted by all United Nations members in 2015 created 17 world sustainable goals. It highlights the connection between the environmental, social and economic aspects. They were created with the aim of peace and prosperity for people and the planet. While tackling climate change and working to preserve oceans and forests.

What are five pillars of SDGs? Illustrate with the help of pictures or diagrams.

2. Find out atleast 10 chemical equations in your daily life. Write down their balanced chemical equations and categorize them to the type of reaction

(To be done on **A4 size sheets**)

BIOLOGY

3. Research and compile a list of water conservation techniques. Design an awareness campaign to promote water conservation practices in your community. Make **posters, flyers, social media posts or any other creative materials**

4. Revise the syllabus of PWT 1.

Information Technology

Project Work:

Students will be preparing a Project in which they will take any Real World Case Study. Summarized data reports of the same can be presented in LibreOffice Base. Input should be taken using forms and output should be done using report using Base.

Documentation of the case study should be presented using LibreOffice Writer.

Once the project will be prepared students will take the printout of the complete project (Design and Datasheet view of the table, Forms, Queries and Reports) and arrange the sheets in the folder.

Written Assignment: (To be done in Registers)

Answer the following:

1. What is Stress?
2. Define Stress Management.
3. What are the three steps to manage stress?

4. How can you manage Emotional Intelligence?
5. Briefly discuss the significance of time management skills in order to succeed in life.
6. How is self regulation connected to the ability to work independently?
7. In SMART goals what does 'A' stands for? Explain.
8. What is the difference between Interests and Abilities?
9. What is the benefit of Goal setting?
10. Differentiate between Internal and External motivation.

SUBMISSION SCHEDULE OF HOLIDAYS HOMEWORK

SESSION: 2025-2026

DAY AND DATE	VI	VII	VIII	IX	X
1 st July'25 Tuesday	Hindi and English	Social Science and Sanskrit/ French	Science and Social Science	Social Science and IT	English and Maths
2 nd July'25 Wednesday	Maths	Maths	English	Science	Hindi
3 rd July'25 Thursday	Science	English	Maths	Hindi	IT
4 th July'25 Friday	Computer and Sanskrit/ French	Computer and Science	Computer and Hindi	Maths	Social Science
7 th July'25 Monday	Social Science	Hindi	Sanskrit/ French	English	Science
Art period in first week of July	Art	Art	Art		