



SHARDA INTERNATIONAL SCHOOL

HOLIDAY HOME WORK

ACADEMIC SESSION (2025-26)

Dear Parents and Students,

Summer holidays are a wonderful opportunity to rest and refresh, but they can also be a time for creativity, curiosity, and continued learning in a fun way. To keep the spirit of learning alive, we have prepared a light and engaging Summer Holiday Homework. These activities are designed to be enjoyable and enriching — encouraging children to explore, observe, and express themselves.

General Instructions for Holiday Homework

1. Time Management

- Plan a daily schedule to balance study, rest, and fun.
- Avoid last-minute rush — divide your homework and complete it in small portions every day.

2. Neatness & Presentation

- Complete all work neatly and legibly.
- Use good quality materials and keep your work organized and well-presented.
- Mention your name, class, and subject on each assignment/project.

3. Creativity & Originality

- Be creative and original in your work. Use your own ideas rather than copying from others or the internet.
- Where possible, support your work with drawings, diagrams, or pictures.

4. Research & Learning

- Use books, educational websites, and resources to complete your work.
- Learn something new while doing your homework — whether it's a new skill, fact, or concept.

5. Parental Involvement

- Take help from parents or grandparents if needed, especially in activities that involve art, craft, or storytelling.
- Share your learning and holiday experiences with them too!

6. Timely Submission

- Ensure all homework and projects are completed and submitted on the given dates after the vacation.
- Late submissions may not be accepted or may affect your grades.

7. Digital Etiquette (If Applicable)

- If any work is to be submitted online, follow the submission format and deadline.
- Ensure your files are properly named and readable.

8. Stay Safe & Healthy

- While completing your work, also take breaks, stay active, eat healthy, and keep a positive routine.

Enjoy your holidays!

Use this time to learn, grow, and most importantly, to relax and have fun.

Warmly,

Class Teacher

Sharda International School

Class – 10th

SUBMISSION OF WORK SUBJECT WISE:

ENGLISH, HINDI AND MATHS: THURSDAY, 3RD JULY, 2025.

ART, SCIENCE AND SST: FRIDAY, 4TH JULY, 2025

IT: SATURDAY 5TH JULY, 2025

ENGLISH

1. Art-Integrated Project.

As a part of project write a letter to the Editor expressing your concern of 'Lost Monuments' of Manipur State. Mention its historical relevance, and how it became a lost monument. Paste its picture and make it presentable.

*write a paragraph on any of the famous monument of Manipur.

2. Prepare a poster on any one of the SDGs and write a small paragraph about it.
3. Write a tabular presentation of literary devices along with two examples of each.
4. Maintain a personal diary and write your daily routine/ visit to a place.

Submit your homework in handmade folder.

5. Frame 10 very short questions from all lessons done so far, in fair register.
6. Solve 5 comprehension, LETTERS, GRAMMAR PAGES, EDITING, FROM BBC.
7. Read all the PT 1 AND PT 2 LESSONS and solve BBC pages for grammar and comprehension practice.

MATHEMATICS

INSTRUCTIONS:

- USE LOOSE RULED SHEET FOR DOING SOLUTIONS.
 - AVOID USE OF DESIGNER SHEETS
 - DO YOUR WORK NEAT AND CLEAN.
 - WRITE YOUR NAME, CLASS AND ROLL NO. ON THE FIRST SHEET.
1. Given that $\text{HCF}(306, 657) = 9$, find $\text{LCM}(306, 657)$.
 2. Prove that $3 + 2\sqrt{5}$ is irrational.
 3. Check whether 6^n can end with the digit 0 for any natural number n .
 4. Find HCF and LCM of 404 and 96 and verify that $\text{HCF} \times \text{LCM} = \text{Product of the two given numbers}$.
 5. Write the smallest number which is divisible by both 360 and 657.
 6. Find the value of " p " from the polynomial $x^2 + 3x + p$, if one of the zeroes of the polynomial is 2.
 7. Compute the zeroes of the polynomial $4x^2 - 4x - 8$. Also, establish a relationship between the zeroes and coefficients.
 8. Compute the zeroes of the polynomial $4x^2 - 4x - 8$. Also, establish a relationship between the zeroes and coefficients
 9. Find the quadratic polynomial if its zeroes are 0, $\sqrt{5}$.
 10. Find the value of " x " in the polynomial $2a^2 + 2xa + 5a + 10$ if $(a + x)$ is one of its factors.
 11. α and β are zeroes of the quadratic polynomial $x^2 - 6x + y$. Find the value of ' y ' if $3\alpha + 2\beta = 20$.
 12. Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes, respectively.
 - (i) $1/4, -1$
 - (ii) 1, 1
 - (iii) 4, 1
 13. For what value of k , the pair of equations $4x - 3y = 9$, $2x + ky = 11$ has no solution?
 14. Write whether the following pair of linear equations is consistent or not: $x + y = 14$,
 $x - y = 42$.
 15. Find the number of solutions of the following pair of linear equations: $x + 2y - 8 = 0$, $2x + 4y = 16$
 16. For what value of k , the following pair of linear equations has infinitely many solutions?
 $10x + 5y - (k - 5) = 0$, $20x + 10y - k = 0$.
 17. The sum of numerator and denominator of a fraction is 3 less than twice the denominator. If each of the numerator and denominator is decreased by 1, the fraction becomes $1/2$. Find the fraction.
 18. A number consists of two digits. When the number is divided by the sum of its digits, the quotient is 7. If 27 is subtracted from the number, the digits interchange their places. Find the number.

19. Draw the graph of the following pair of linear equations $x + 3y = 7$, $2x - 3y = 12$ Hence find the area of the region bounded by the $x = 0$, $y = 0$ and $2x - 3y = 12$.
20. From a pair of linear equations in two variables using the following information and solve it graphically: Five years ago, Sagar was twice as old as Tiru. Ten year later Sagar's age will be ten years more than Tiru's age. Find their present ages. What was the age of Sagar when Tiru was born?
21. If the distance between the points $(4, k)$ and $(1, 0)$ is 5, then what can be the possible values of k ?
22. Find the ratio in which y -axis divides the line segment joining the points $A(5, -6)$ and $(-1, -4)$. Also find the coordinates of the point of division.
23. Prove that the points $(3, 0)$, $(6, 4)$ and $(-1, 3)$ are the vertices of a right angled isosceles triangle.
24. Find the relation between x and y if the points (x, y) , $(-5, 7)$ and $(-4, 5)$ are collinear.
25. Find a point on the y -axis which is equidistant from the points $A(6, 5)$ and $B(-4, 3)$
26. If the coordinates of points A and B are $(-2, -2)$ and $(2, -4)$ respectively, find the coordinates of P such that $AP = \frac{3}{7} AB$, where P lies on the line segment AB .
27. Find the ratio in which the point $(2, y)$ divides the line segment joining the points $(-2, 2)$ and $(3, 7)$. Also find the value of y .
28. A letter of English alphabet is chosen at random. Determine the probability that the chosen letter is a consonant.
29. A card is drawn at random from a well shuffled pack of 52 playing cards. Find the probability of getting neither a red card nor a queen. (
30. A box contains cards numbered 6 to 50. A card is drawn at random from the box. Calculate the probability that the drawn card has a number which is a perfect square.
31. If two different dice are rolled together, calculate the probability of getting an even number on both dice.
32. In a simultaneous toss of two coins, find the probability of getting:
 - (i) exactly one head,
 - (ii) atmost one head.
33. Two dice are thrown simultaneously. Find the probability of getting a doublet.
34. Consider the following frequency distribution. Calculate the mean weight of students.

Weight (in kg)	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75
Number of Students	9	6	15	3	1	2	2	1	1

35. Calculate the median marks of students from the following distribution.

Marks	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
Number of Students	7	10	10	20	20	15	8

36. The given distribution shows the number of runs scored by some top batsmen of the world in one-day international cricket matches.

Run scored	3000-4000	4000-5000	5000-6000	6000-7000	7000-8000	8000-9000	9000-10000	10000-11000
No. of batsman	4	18	9	7	6	3	1	1

Find the mode of the above distribution.

37. If the median of a distribution given below is 28.5, then find the value of x and y.

CI	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	Total
Frequency	5	x	20	15	y	5	60

38. For a moderately skewed distribution, the mean and median are respectively 26.8 and 27.9. What is the mode of the distribution?

39. If the mean of the given frequency distribution is 35, then find the missing frequency y. Also, calculate the median and mode for the distribution.

Class	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	2	4	7	y	1

40. Find the mean, median and mode of the following data:

23, 18, 24, 23, 31, 37, 28, 30, 25, 40, 35, 35, 27, 25

CASE STUDIES:

41. CASE STUDY 1. To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B.

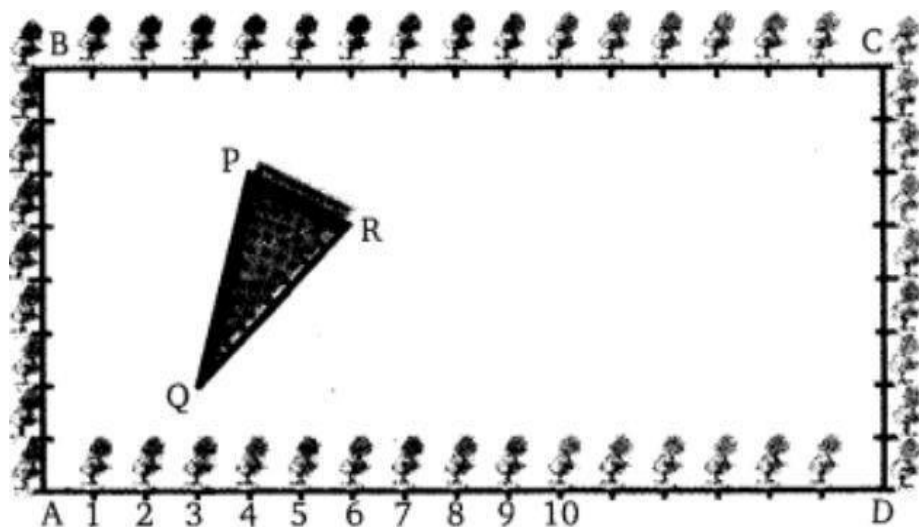
1. What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B?
2. . If the product of two positive integers is equal to the product of their HCF and LCM is true then, the find of HCF (32, 36).
3. $7 \times 11 \times 13 \times 17 + 17$ is a..... number.
4. If p and q are positive integers such that $p = a^2b^3$ and $q = b^4a$, where a, b are prime numbers, then find the LCM (p, q).

42. A test consists of 'True' or 'False' questions. One mark is awarded for every correct answer while $\frac{1}{4}$ mark is deducted for every wrong answer. A student knew answers to some of the questions. Rest of the questions he attempted by guessing. He answered 120 questions and got 90 marks.

Type of Question	Marks given for correct answer	Marks deducted for wrong answer
True/False	1	0.25

1. If answer to all questions he attempted by guessing were wrong, then how many questions did he answer correctly?
2. How many questions did he guess?
3. If answer to all questions he attempted by guessing were wrong and answered 80 correctly, then how many marks he got?
4. If answer to all questions he attempted by guessing were wrong, then how many questions answered correctly to score 95 marks?

43. The class X students school in krishnagar have been allotted a rectangular plot of land for their gardening activity. Saplings of Gulmohar are planted on the boundary at a distance of 1 m from each other. There is triangular grassy lawn in the plot as shown in the figure. The students are to sow seeds of flowering plants on the remaining area of the plot.



1. Taking A as origin, find the coordinates of P

- a) (4,6) b) (6,4) c) (0,6) d) (4,0)

2. What will be the coordinates of R, if C is the origin?

- a) (8,6) b) (3,10) c) (10,3) d) (0,6)

3. What will be the coordinates of Q, if C is the origin?

- a) (6,13) b) (-6,13) c) (-13,6) d) (13,6)

4. Calculate the area of the triangles if A is the origin

- a) 4.5 b) 6 c) 8 d) 6.25

5. Calculate the area of the triangles if C is the origin

- a) 8 b) 5 c) 6.25 d) 4.5

- Prepare an ART INTEGRATED PROJECT on the topic UNDISCOVERED MONUMENTS OF MANIPUR. (ANY ONE).
- Do the Given Activities in Lab Manual.
 1. To find the HCF of two numbers.
 2. To find the zeroes of a quadratic polynomial by using graphical method.
 3. To obtain the conditions for number of solutions of a pair of linear equation in two variables.

CLASS – X
SUBJECT - SCIENCE

OUTDOOR ACTIVITY: Indulge yourself in some physical activity like Yoga and deep breathing exercises in the morning. Add protein rich food in your meal to boost your immunity.

TASK - 1

Revise the explained with all solved questions-answers given in the reference book.

TASK - 2

Draw the following diagrams in your Question bank register:

- (i) Cases of image formation through lens
- (ii) Cases of image formation through mirror
- (iii) Refraction through the glass slab
- (iv) Human Heart
- (v) Digestive system
- (vi) Blood circulation
- (vii) Excretory system
- (viii) Respiratory system
- (ix) Nephron
- (x) Brain
- (xi) Neuromuscular junction
- (xii) Endocrine System

TASK – 3

WRITTEN WORK:

- Write the given notes of chapter – 2 (Acids, Bases & Salts) in C.W file from chemistry reference book as per given instructions.
- Solve the NCERT (In text + Exercise) of chapter – 11 (Electricity) in H.W file.
- Solve PT -1 Papers (Set 1 & 2) In Question bank register.
- Write activity 1 and activity 2 in your science activity file from the attached document upload on e care.

TASK – 4

PRESENTATION

Prepare the presentation for given topics of chapter – 6 (Control & Coordination) as per instructions given in class.

TASK - 5

ART INTEGRATED PROJECT: Make a study on any two monuments of Manipur state and prepare a project report on the following bases:

- Study the architectural design of domes and walls that how they bear load and resist forces.
- Analyze the type of soil and its effect on the monument's stability.
- What is composition and chemical properties of the materials (Brick, stone, mortar etc.) used to make these monuments.
- How do acid rain and air pollutants chemically react with monument surfaces?
- Describe the ways that can be used to prevent the deterioration of monuments.
- Search about in the recent newspaper about the causes of deterioration of monuments.

Instructions:

- Use colored A4 size colored sheets to write contents.
- Begin with acknowledgement and brief introduction about Manipur on separate sheets.
- Draw table and paste pictures related to the topics on the plane side of the assignment colored sheet.
- Assemble all the sheets in sequence in a handmade folder.

SOCIAL SCIENCE

NOTE- Two activities have been given. .

These activities are compulsory for all. Students should use pictures, diagrams, data, pie charts, and case study etc. Project should be neat and clean and proper. Presentation should be proper. Hand made diagrams and pictures will be given preference. In Project Students will also write - Biodata, introduction, Acknowledgement, Index Introduction Bibliography, conclusion and remarks. Project should be handwritten only.

ACTIVITY NO -1 CBSE-SUBJECTIVE PROJECT

_Prepare a project on the topic CONSUMER RIGHTS. Students are expected to apply the Social Science concepts in order to prepare the project report.

Students can also take help from News Papers, Magazines , Other resource books and Economics Book of class X. for preparing the project.

Activity -2 CBSE ART INTEGRATED PROJECT

Prepare a project on the Topic

UNDISCOVERED MONUMENTS OF MANIPUR (Any one monument)

This project must be completed in 12 to 15 pages only-

- Geographical location of this monument (Map)
- Founder of the monument
- Time Period of Construction
- Reasons for constructing the monument
- Features of monument
- Why was it famous?
- Why has it lost its importance?
- Efforts taken by state government for its maintenance

H.W—3 Write History question Answer of ch-1 Nationalism in Europe and Ch-2 National in INDIA in register upload on e-care AND LEARN THE CHAPTERS TAUGHT IN CLASS.

हिंदी

- निर्देश: सम्पूर्ण लेखन कार्य रंगीन, सादा, ए 4 शीट पर किया जाएगा ।
- निर्देशानुसार एवं प्रश्न के अनुरूप सचित्र प्रस्तुतीकरण अनिवार्य है ।
- त्रुटिरहित लेखन एवं निर्धारित समय सीमा को ध्यान में रखते हुए संपूर्ण हिन्दी गृह कार्य को पूर्ण मनोयोग एवं एकाग्रता से संपन्न करे ।

1. बाल गोविंद भगत ने कबीर पंथी मठ का उल्लेख किया है इसी प्रकार अन्य धार्मिक मठों का सचित्र विवरण प्रस्तुत करते हुए परियोजना कार्य तैयार कीजिए ।
2. सूरदास द्वारा लिखित कृष्ण के अन्य भक्ति पूर्ण पदों का संकलन कर अन्य दो कृष्ण भक्त कवियों के व्यक्तित्व कृतित्व से संबंधित परियोजना कार्य तैयार कीजिए ।
4. 'तकनीकी निर्भरता और हमारा भविष्य' विषय पर एक अनुच्छेद लिखिए ।
5. 'हमारा नया संसद भवन' विषय पर एक अनुच्छेद लिखिए ।
6. अपठित गद्यांश 1-5 व्याकरण पुस्तिका में हल करें ।
7. रचना के आधार पर वाक्य भेद के अभ्यास प्रश्नों की पुनरावृत्ति करें ।
8. कार्य पत्रिका व्याकरण पुस्तिका में हल करें ।
9. आप अपने जीवन का आदर्श किस महापुरुष को बनाना चाहते हैं और क्यों मित्र को पत्र के माध्यम से बताएं ।
10. हमने अपनी सेना में कौन- कौन से अस्त्र- शस्त्रों और युद्धपोतों को शामिल किया चित्र सहित एक लेख लिखिए ।
11. कला एकीकृत परियोजना कार्य
'मणिपुर की अज्ञात स्मारके'
(साधन: ए-4 शीट, चित्र पृष्ठ-(4-5))

IT

► Make a PowerPoint presentation on "Impact of IT in Daily Life"

- Role of IT in education, healthcare, and business
- Benefits of automation and digital transformation
- Use images, facts, and real-life examples

► Prepare your Resume in Writer:

- Header with name and contact info
- Educational background
- Hobbies and skills
- Use formatting features: bold, underline, borders, bullets, etc.

► Create a budget planner in Spreadsheet for your holiday expenses:

- Include item, price, quantity, total
- Use formulas to calculate totals

- Apply color formatting and charts (optional)

ART

Make a beautiful scenery and properly laminate it.

Make 2 beautiful sketching in sketch file.

