



SHARDA INTERNATIONAL SCHOOL

SUMMER HOLIDAY HOMEWORK

CLASS-VII

General Instructions:

1. Maintain proper handwriting and presentation and complete all written work neatly and timely.
2. Mention your name, class roll no., section, subject on each chart, model and assignment.
3. Use loose sheets for maths solutions and write questions also. Do not use coloured and designer sheets.
4. Revise and learn explained PT-2 syllabus of each subject.

Submission of work subjectwise:

SUBJECT	DATE
S.ST., Sanskrit & I.T.	Thursday, 2 nd July, 2026
Maths, Science	Friday, 3 rd July, 2026
Hindi, English	Saturday, 4 th July, 2026

ENGLISH

1. Read a story book of your choice.
2. Prepare and write 2-3 minutes speech on any one of the following topics.
 - (i) Importance of Good Manners
 - (ii) Importance of Time Management
 - (iii) The role of sports in student life.

HINDI

1. साहित्य और व्याकरण के हल किए गए (आवधिक-2) के पाठों को याद कीजिए प्रतिदिन सुलेख एवं पठन अभ्यास कीजिए ।
2. आप अपने जीवन में किस व्यक्ति को अपना आदर्श मानते हैं और क्यों?(मेरे आदर्श) नाम से एक अनुच्छेद द्वारा वर्णित कीजिए ।

SANSKRIT

तत् पुल्लिङ्ग शद्धरूप, गम् धातु लोट लकार के रूप याद करें।

COMPUTER

Topic: Renewable Energy Sources

Prepare a creative and informative PowerPoint Presentation (PPT) on the topic "Renewable Energy Sources."

The presentation should include minimum 6–8 slides with relevant pictures, headings, and short informative points.

Students may add animations, transitions, charts, or extra slides to make the presentation more attractive and meaningful.

MATHEMATICS

Instructions

- * The given questions are to be done in the Maths homework notebook.
- * Solve all questions neatly and systematically.
- * Show all proper steps and complete working for each answer.
- * Do not write only the final answer.
- * Maintain neat handwriting and proper presentation throughout the work.

Assignment

Q1- Arrange the numbers in the descending order: 81378, 92691, 7494, 16745

Q2-What is the place value of 0 in 7509958?

Q3- Write the expanded form of 31.005

Q4-Simplify: $7 - 0.3 + 2.5 - 0.03$

Q5-Find the solution of $5x - 23 = -8$

Q6-Find the number, if 5 less than the four-fifths of a number is 47.

Q7-Write in simplest form: $3x + 4y - 7 + x - 2y$

Q8-Add: $3x - y + z$, $2y - 5z$ and $3z - 4x$

Q9- Subtract: $7a + 8b - c$ from $5a - b + 3c$

Q10-Convert 45.25 into a fraction.

Q11-Round off 7292546 to the nearest lakh.

Q12-Find an effective way of evaluating 97×25

Q13-Convert ₹235 and 8 p into rupees

Q14-Simplify: $81.75 - 5.4 \div 3.6 + 9.8$ of $1.1 - 9.15$

Q15-Convert 298 kg 75g into kilograms

Q16-If $45x = 0.405$, then find the value of x .

Q17-Convert into algebraic expressions:

The product of x and 8 is added to 7 times b .

Q18-What should be added to

$x^2 + 2xy + y^2$ to obtain $4xy + y^2$?

Q19-How much is $x^3 - 2x^2 + x + 4$ greater than $2x^3 + 7x^2 - 5x + 6$?

Q20-If $A = 4x^2 - 7x - 18$, $B = 3x^2 + 9x - 15$ and

$C = -8x^2 + 3x + 2$, find: $A - B - C$

Q21-Find an equation of the statement "the sum of $\frac{3}{4}$ th of p and three times q is 375"

Q22-Write decimal form of $\frac{27}{5}$

Q23-If $x = 3$, $a = -1$, $b = -2$ then find the value of: $3x - 5a - x^2 + 9b$

Q24-Write any equation for if you take away 6 from 6 times x you get 60.

Q25-If $p + 9 = 15$, then find the value of $2p + 19$

Mental Math

Q1-Find the value of $4x + 8$, if one-third of x is equal to 3.

Q2-Write the next two terms in the series

1, 8, 27, 64, 125,

Q3-What is the area of a square having each side x.

Q4-Find the number if six times the number is 12.

Q5-Round off to the nearest ten-lakh: 5,99,02,288

Q6- One crore equals..... to million.

Q7- $317 \times (283 - 114) = 317 \times 288 - 317 \times \dots\dots$

Q8-20 thousandths = hundredths.

Q9-If $5x = 415$, then the value of x is.....

Q10-5 times s subtracted from 8 times t is.....

SCIENCE

Working Model: Prepare a working model on following topics:

Roll No.	Topic
1 to 3	Water Filter
4 to 6	Periscope
7 to 9	Rain Water Harvesting
10 to 12	Lungs Model
13 to 15	Newton's Disc
16 to 18	Astronaut Table Lamp
19 to 23	Volcano Eruption(Reaction between baking soda & vinegar)

Written Work : "This Science Assignment is OPTIONAL. Only interested and willing students may complete it and submit it."

Assignment – Science

Section A: 1 Mark Questions

Q1. A student spills lemon juice on a marble floor. What change may be observed after some time?

Q2. Why does a metal spoon kept in hot tea become hot faster than a plastic spoon?

Q3. A strip of magnesium ribbon is rubbed before burning. What is the purpose of rubbing it?

Q4. A student touches an iron bench in winter and feels very cold. Give one reason.

Q5. A red litmus paper turns blue when dipped in a liquid. What is the nature of the liquid?

Q6. Why does an iron nail rust faster in salty water than in plain water?

Section B: 2 Marks Questions

Q7. A student adds baking soda to vinegar and observes vigorous bubbling. What does this indicate about the nature of the reaction?

Q8. Why are cooking utensils made of metals but their handles are usually made of plastic or wood?

Q9. While heating water in a beaker, the upper water becomes warm even without stirring. Which heat transfer process is involved and why?

Q10. A student finds that a copper wire does not react with dilute hydrochloric acid, but an iron nail does. Give a reason.

Q11. Why are shiny aluminium sheets used to keep food warm in food packets?

Q12. A student tests a solution with turmeric paper and it turns reddish-brown. What conclusion can be drawn about the solution?

Section C: 3 Marks Questions

Q13. A student wants to identify whether a given colourless liquid is acidic, basic, or neutral using only red litmus and blue litmus paper. Write the steps and possible observations.

Q14. A student places an iron nail in distilled water and another iron nail in tap water for two days. Predict in which case rusting will be faster and justify your answer.

Q15. Two identical steel spoons are kept—one in sunlight and one in shade. After 30 minutes, the spoon in sunlight feels hotter. Explain which heat transfer method is involved and why.

Q16. A student notices that copper vessels develop a green coating after a long time.

(a) What is this coating?

(b) Why is it harmful?

(c) Mention one way to prevent it.

Q17. Name the product formed when the magnesium reacts with the oxygen what is the nature of the product formed? When this product is dissolved into the water it turns the red litmus into the blue. Write the reactions involved in both the cases

Section D: 5 Marks Questions

Q18. A student is given four solutions: lemon juice, soap solution, salt solution, and baking soda solution. Design a practical test using only red rose and turmeric paper to identify each solution with proper observations.

Q19. A student wraps one bottle of hot water with a woollen cloth and leaves another bottle uncovered. After 30 minutes, the covered bottle remains warmer. Explain this observation using the concept of heat transfer and insulation.

Q20. During an experiment, a student drops zinc granules into dilute hydrochloric acid.

(a) Write two observations seen during the reaction.

(b) How can the student confirm which gas is produced?

(c) Why is this reaction not seen with copper?

(d) Mention one real-life application of this reaction.

SOCIAL SCIENCE

Activity 2 – Chart Making

Topic: Types of Government

•Students need to prepare a colourful flowchart showing different types of government. The chart should be neatly organised with headings, arrows, and creative presentation using colours and illustrations.

Flowchart Suggestion:

Government → Monarchy → Dictatorship → Theocracy → Oligarchy → Democracy → Direct Democracy

→ Representative Democracy → Constitutional Monarchy

