



# LAXMI PRASAD MEMORIAL PUBLIC SCHOOL

Affiliated to CBSE, New Delhi Senior Secondary 10+2 English Medium (Co-Education)

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## SUMMER VACATION HOME WORK (S.V.H.W) 2024-2025

### Class – XI (Maths) A1/A2

Guardians are requested to help their wards to complete their following given S.V.H.W. sheet in the separate prescribed copy (Practice Copy) of each subject during the holidays. Put initial/signature on the last page of S.V.H.W. sheet and copy as well as submit it at the Re-opening of the school.

Note: The S.V.H.W. response shall be counted in Unit-1.

Name .....Sec.....Roll No..... Date..... Sign. Of Teacher.....

### [ Subject – English ]

#### Learning:

1. Learn all Q/A from Ch-1 (Hornbill)
2. Learn all Q/A from Ch-1 (Snapshot)
3. Learn all Q/A Poem “Photograph with Meaning”
4. Learn all rules of Tense
5. Learn all Q/A Ch-2 (Hornbill)

#### Written:

1. Write all Q/A from Ch-1 and 2 (Hornbill) in PC.
2. Write all Q/A from Ch-1 and 2 (Snapshots) in PC.
3. All these question should be written in PC.
4. Write Summary Ch- 1 and 2 (Hornbill) in PC.

#### Project:

1. Prepare a chart at narration with examples.

#### S.S.H.W.

According to Your View, How Can Morality Be Developed in Students where else do we have lapses in it?

### [ Subject – Hindi ]

#### Learning:

**गद्य** 1. नमक का दारोगा तथा मियाँ नसीरुद्दीन नामक शीर्षक में आए हुए सभी प्रश्नों के उत्तर याद कीजिए।

**पद्य** 2. कबीर दास के पद और मीराबाई के पद नामक शीर्षक में आए हुए सभी प्रश्नों के उत्तर याद करें।

#### Written:

**गद्य** 1. नमक का दारोगा तथा मियाँ नसीरुद्दीन नामक शीर्षक में आए हुए सभी प्रश्नों के उत्तर P. C. कापी पर लिखें।

**पद्य** 2. कबीर दास के पद और मीराबाई के पद नामक शीर्षक में आए हुए सभी प्रश्नों के उत्तर P. C. कापी पर लिखें।

#### Project:

1. जनसंचार के माध्यम को चार्ट पेपर पर बनाकर यह दर्शाएँ कि – किस प्रकार से मानव जीवन में इसका महत्व है।

#### S.S.H.W.

1. ग्लोबल वार्मिंग से बढ़ता हुआ खतरा -----
2. भ्रूण हत्या एक सामाजिक बुराई के रूप में
3. निजीकरण से होने वाले लाभ एवं हानियाँ

**[ Subject – Mathematics ]**

**Written:**

1. Trigonometry
  - (a) Write All the Formula of Trigonometric Function.
  - (b) Draw the Graph of All Trigonometric Function and Write their Domain and Range Also.
  - (c) Solve all the exercise of set theory from side book.
2. Complex Number
  - (a) Write all the Formula of Complex Number.
  - (b) Solve all the Exercises of Complex Number from Side Book (R. D. Sharma)

**Learning:**

1. Learn All the Factor and Formula Related to Chapter – 3 (Trigonometric functions) and Chapter – 5 (Complex Number).

**Project:**

Prepare a Project Work on the Chart Paper According to their Roll Number.

1. Write the Allied Angle Relation for  $(-0, 90+8, 90-8)$ .
2. Make a Formula Chart of All Trigonometric Functions.
3. Make a Formula Chart of Allied Angle on  $(\pi + \theta, \pi - \theta, 2\pi + \theta, 2\pi - \theta)$

**S.S.H.W.**

Prepare a Model on the Following 3D shaper-

1. Make a 3D Model on Cube and Cuboid
2. Make a 3D model on Frustum of Cone and cylinder.

**[ Subject – Physics ]**

**Written:**

1. Express 1 light year in terms of meter. What is its order of Magnitude?
2. Write the Dimensional formula for following Quantities-
 

(a) Stress	(b) Moment of Inertia	(c) Angular velocity
(d) Latent heat	(e) Charge	
3. Convert 1 Newton into dyne.
4. Find the Value of 60 J per min on a System that has 100g, 100cm and 1 min as the base units.
5. In a journey, a car travels at the rate of 20 km/h for 10 minutes and then at 30 km/h for 20 minutes. Find (a) the total distance travelled by the Car (b) the average speed of the Car during the journey.
6. If distance Covered by a particle is Zero, what can be its Displacement?
7. A train 100 m long is moving with a velocity of 60 km/h. Calculate the time it takes to cross the bridge 1 km long.

**Learning:**

1. Path length and displacement
2. Significant figures
3. Dimensions of Physical Quantities
4. Application of Dimensional Analysis

**Project:**

Do any two one Chart Paper:-

1. Write any 10 thermal Quantities with Unit and Dimensional formula on Chart paper.
2. Write any 10 Mechanical Quantities with unit and dimensional formula on Chart paper.
3. Draw a Diagram for different types of Motion, at least 4 types on Chart Paper.

**Activity:**

1. In your everyday life you come across a range of Motion in which
  - (a) Acceleration is in the direction of motion.
  - (b) Acceleration is Uniform.
  - (c) Acceleration is non-uniform.
 Can you identify one example each for the above type of Motion?
2. The data regarding the motion of two different objects A and B are given in table 1. Examine whether the Motion of the objects is Uniform or Non Uniform-

**[ Subject – Chemistry ]**

**Learning:**

1. Learn all the concept of some basic concept of chemistry chapter.
2. Learn De-Broglie Hypothesis and Heisenberg's uncertainty principle.
3. Learn all the atomic model of atomic structure chapter.

**Writing:**

1. Write electronic configuration of elements from 1 to 30 using S, p, d and f method.
2. Solve NCERT question from 2.1 to 2.30 in your homework copy.
3. Write about handy rule of maximum multiplicity.

**Project:**

1. Prepare a chart of periodic table of elements.

**Activity:**

1. Identify and write the uses of obese type of electromagnetic radiation.

**S.S.H.W.**

1. Write about Summerfield model of atom.

**[ Subject – Information Technology ]****Learning:**

1. Learn Unit -1 form part – A
2. Learn all the My SQL Commands.

**Written:**

1. Write all the solved Q/A from Unit – 1 (Part-A)
2. Answer all the Unsolved questions from Unit- I (part-A)
3. Write all the My SQL Commands.

**Project :**

1. Using Chart Paper Describe about all the 4 types of Common Communication Styles.

**S.S.H.W.**

Describe about some latest technologies in the field of I.T. in stick file.

**NOTICE**  
**22-05-2024**

1. The classes will remain ceased for summer vacation from 24<sup>th</sup> May to 22<sup>nd</sup> June 2024.
2. Office will remain opened during the holidays to facilitate the Guardian for Admission, Fee deposition and other Official Inquiries.
3. Administrative / Academic activities will begin from 18<sup>th</sup> of June onwards.
4. Classes will resume from 24<sup>th</sup> of June 2024.
5. The students who come by school bus will wait for their bus at their respective stoppage Fifteen Minutes delay in its usual time.

Guardian's Signature

By Order  
Principal