



# 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.) 2026-2027

### Class – XII (Mathematics)

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

**Note:** The S.V.H.W. response shall be counted in Periodic Assessment – 1<sup>st</sup> i.e. PA-1.

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

### [ Subject – English ]

#### Learning:

1. Learn all the answer Ch – 1 and 2 (Flamingo Prose and Poetry).
2. Learn all the answer Ch – 1 and 2 (Vistas).

#### Written:

1. Write all the practice questions given during classes related to flamingo and vistas with answers.
2. Make 10 extracts and answer from each chapter (Prose) taught.

#### Activity:

1. Make a file containing 3 letters Each letter to the Editor and Job application.

#### Project:

1. Prepare a project on the basis of lost spring “How Poverty can be reduced from India?”

**Note :** - (Project should be prepared on a chart paper.)

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

Write an article on the topic “Smartphone, the need of the day” is not more than 200 words.

### [ Subject – Hindi ]

#### Learning:

- गद्य**
1. भक्तितन नामक पाठ के सभी प्रश्नोत्तर को याद करें।
  2. बाजार – दर्शन नामक पाठ के सभी प्रश्नोत्तर को याद करें।
- पद्य**
1. आत्म परिचय नाम पाठ के सभी प्रश्नोत्तर को याद करें।
  2. एक गीत, पतंग नामक पाठ के सभी प्रश्नोत्तर को याद करें।
- वितान**
1. सिल्वर वैडिंग नामक पाठ के सभी प्रश्नोत्तर को याद करें।

#### Written:

- गद्य**
1. भक्तिन – पाठ में आए हुए सभी प्रश्नोत्तर को P.C कापी पर लिखें।
  2. बाजार – दर्शन – पाठ में आए हुए सभी प्रश्नोत्तर को P.C कापी में लिखें।
- गद्य**
1. आत्म परिचय – पाठ में आए हुए सभी प्रश्नोत्तर को P.C कापी पर लिखें।
  2. पतंग – पाठ में आए हुए सभी प्रश्नोत्तर P.C कापी लिखें।
- वितान**
1. सिल्वर वैडिंग नामक पाठ के सभी प्रश्नोत्तर को P.C कापी में लिखें।

#### Activity:

1. डा. हरिवंश राय ‘बच्चन’ का जीवन परिचय तथा हालावाद की विशेषताओ पर प्रकाश डालते हुए उनकी प्रमुख रचनाओं को लिखें।
2. आधुनिक मीरा के रूप में महादेवी वर्मा की रचनाओं एवं जीवन शैली का वर्णन कीजिए।

#### Project:

1. महिला ससक्तिकरण एवं नारी शिक्षा के विकास पर एक लेख लिखें।
2. हालावाद का मानव जीवन में उपयोगिता एवं प्रभाव।
3. सिल्वर वैडिंग के आधार पर यशोधर बाबू का चारित्रिक विशेषताओं का वर्णन कीजिए।

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

किसी एक विषय पर 300 – 400 शब्दों में निबंध लिखिए।

1. निजीकरण से होने वाले लाभ एवं हानियाँ।
2. लोकतंत्र के विकास में साहित्य का योगदान।

## [ Subject – Mathematics ]

### **Learning:**

1. Learn about all the terms from the chapter relations and functions.
2. Learn all the concept of equivalence relation (reflexive, symmetric, transitive) including theorems.
3. Learn the uses and concept of real numbers in the chapter relations and functions.
4. Learn all the formulae from the chapter inverse trigonometric functions and matrices.

### **Written:**

1. Solve all exercises of relations and functions from NCERT BOOK.
2. Solve all the exercises of matrices and determinants from side book R.D Sharma.
3. Make a list of theorems from the chapter (Matrices and determinants).
4. Solve all the previous year board questions of chapter relations and functions.

### **Activity:**

1. Make a chart of formula and concept to the chapter inverse trigonometric functions.

### **Project:**

1. Make a project on relations and functions and their types.

### **S. S. H.W:**

1. Write down the biography of mathematicians Gottfried Wilhelm Leibniz and George Cantor in a file. Also mention their contribution in Mathematics.

## [ Subject – Physics ]

### **Learning:**

1. What is charge and electrostatic force and also write What will happen when charge placed on uniform electric field.
2. Electric dipole and direction of charges of forces.
3. Statement of (Gauss law) theorem and its application to find field due to straight wire.
4. Electric potential energy of a point charge and of electric dipole in an Electrostatic field.

### **Written:**

1. Solve numerical regarding Coulomb's law Ch – 1 (Electric Charges and Field).
2. Solve previous year question paper of Ch – 1 (Electric Charges and Field).
3. Solve the Exercise questions of 1 to 10 Ch – 2 ( Electrostatic Potential ) NCERT Book.
4. Write the all formula and Constant values of Ch – 1 Ch – 2 and learn.

### **Activity:**

1. To study affect of intensity of light on an LDR.
2. To Identify a diode, an LED, a Resistor and a capacitor from a mixed collection of such items.

### **Project:**

1. To study various factors on which the Internal resistance / EMF of a cell depends. (File)

**OR**

2. To investigate the angle of deviation on the angle of incidence using a hollow prism filled one by one with different transparent fluid.(Chart Paper)

### **S. S. H.W:**

1. To investigate the Relation between the ratio (i) Output & Input voltage and (ii) Number of turn in the secondary coil and primary coil of a self – designed transformer.

## [ Subject – Chemistry ]

### **Learning:**

1. Learn all important topics of solutions like Henry's law, Raoult's Law, Colligative properties, etc.
2. Learn all important formulas of solution related to different topics.
3. Learn all important topics of electrochemistry like electrochemical cell, electrolytic cell, Kohlrausch's law, electrolytic conductance etc.
4. Learn all important formulas of electrochemistry related to different topics.

### **Written:**

1. Solve all in text Questions of solution in practice copy.
2. Solve all exercise Questions of solution in practice copy.
3. Solve all in text Questions of electrochemistry in practice copy.
4. Solve all exercise Questions of electrochemistry in practice copy.

### **Activity:**

To study Osmosis using raising or Almond and explain its principle.

### **Project:**

1. Make a primary batteries and write its function on the chart paper.
2. Draw diagram of lead storage battery (Secondary Cell or Batteries) on a chart paper.

### **S. S. H.W:**

1. Solve all important Questions of solutions from PY Q and sample paper.
2. Solve all important Questions of electrochemistry from PY Q and sample paper.

[ Subject – Information Technology ]

**Learning:**

1. Learn all the solved Questions Answers from Unit – 1 (Communication Skills) Part – A.
2. Learn all the solved Questions Answers from Unit – 1 ( Database Concepts) Part – B.

**Written:**

1. Write all the Unsolved Questions Answers from Unit – 1 ( Communication Skills) Part – A.
2. Write all the solved Questions Answers from Unit – 1 ( Database Concepts) Part – B.

**Activity:**

1. What do you understand by self-management? Write about its importance relating to our day to day life.
2. Draw and explain all the DDL Commands on the chart paper.

**Project:**

1. Explain about the advantages and disadvantages of DBMS.
2. Explain about the different phases of Communication Cycle.

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

Search and write about the recent developments in Information Technology (At least 10 topics).

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**NOTICE**

**23-05-2026**

1. The classes will remain ceased for summer vacation from 25<sup>th</sup> May to 27<sup>th</sup> June 2026.
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 17<sup>th</sup> of June onwards.
4. Classes will resume from 29<sup>th</sup> of June 2026.
5. The students who come by school bus will wait for their bus at their respective stoppage in its usual time until the further order of Hon'ble DM.

Guardian's Signature

By Order  
Principal