



DAV PUBLIC SCHOOL, SASARAM

H.A. & P.W. for SUMMER VACATION 2025-26

CLASS - X

English

H.A.

1. Put yourself in the postmaster's shoes. If you were the postmaster, how would you explain the source of the money to Lencho without revealing the truth? Craft a thoughtful letter that conveys empathy, support, and encouragement.
2. How might the story change if Mrs. Pumphrey had decided to take Tricki to a different vet? Describe the possible outcomes.
3. What is the message of the poem 'Fire and Ice'? Explain why the poet personally holds the conviction that the world will primarily end in fire?

P.W.

4. Highlight the importance of proper garbage disposal with an aim to create awareness among the city residents. Write a letter regarding the same to the editor of a local daily Hindustan Times. You are Rubal of Shakti Nagar, Delhi.

Hindi

H.A.

प्रश्न 1 अलंकार (अर्थालंकार-- उपमा, रूपक, उत्प्रेक्षा, मानवीकरण, अतिशयोक्ति अलंकारों की परिभाषा और प्रत्येक के पांच-पांच उदाहरण लिखें।

प्रश्न 2 'मेरे जीवन का लक्ष्य' विषय पर 100 से 120 शब्दों का अनुच्छेद लिखें।

P.W.

सूरदास के व्यक्तित्व और कृतित्व को चार्ट पेपर पर सुंदर से दर्शाएं।

Science

Physics

1. Draw ray diagrams to show the path of the reflected ray of the following cases. A ray of light incident on convex mirror.
 - (i) strikes at the pole making an angle 45° from the principal axis.
 - (ii) is directed towards its principal focus.
 - (iii) is parallel to its principal axis.

Biology

2. Explain different types of heterotrophic nutrition with examples

Chemistry

3. Define the following and write two chemical equations for each to support your answer -
 - a) Combination reaction
 - b) Decomposition reaction
 - c) Displacement reaction
 - d) Double displacement reaction

Social Science

H.A.

1. Explain the process of German unification.

2. Explain the different level of power sharing system in modern democracy.
3. Why do different people have different notions of development? Explain.

P.W.

1. Show major soil types on the political map of India.

Maths

H.A.

1. Prove that $\sqrt{5}$ is an irrational number. Hence prove that $7 + 4\sqrt{5}$ is irrational.
2. Find zeroes of $t(t-3)$ and verify the relationship between zeroes and it's coefficients. Also form a quadratic polynomial whose zeroes are 3 times zeroes of above polynomial.
3. Write conditions of consistency and inconsistency of a pair of linear equations in two variables in tabular form.

P.W.

1. Draw the graph of quadratic polynomial when $a < 0$ and $a > 0$.

Sanskrit

H.A.

1. अस्माकं देशः दश वाक्य संस्कृत में लिखें ।
2. (वाङ्मय तपः) पाठ से पांच श्लोक हिन्दी अर्थ सहित लिखें ।

P.W.

3. 20 .अव्यय शब्द अर्थ सहित लिखें।

Artificial Intelligence

H.A.

1. Write down the seven factors affecting perspectives in communication.
2. List the different types of verbal communication. Include examples for each verbal communication type.?

P.W.

3. Make a chart highlighting all the methods of communication. Use markers and colours to highlight differences amongst all.