

DAV PUBLIC SCHOOL, SASARAM

HA & PW FOR SUMMER VACATION 2024-25

CLASS - X

- ENGLISH**
1. What is ironic about the post office staff helping Lencho?
 2. Man is a social animal. He has some obligations to society. What twin obligations does Mandela mention?
 3. Good things come in small packages.' Illustrate this idea with reference to 'Dust of Snow'
 4. You are Ankit/ Ankita of DAV Public School, Noida. Write a letter to the Sales Manager, Orient Blackson, Noida placing an order for some books for your school library.

- HINDI**
1. पाठ बाल गोबिन भगत सभी प्रश्नों के उत्तर लिखें।
 2. अलंकार की परिभाषा, और भेद उदाहरण सहित लिखें।
 3. परियोजना कार्य - तुलसीदास के व्यक्तित्व और कृतित्व को चार्ट पेपर पर बनाएं/ दर्शाए।

- SANSKRIT**
1. प्रथमः पाठ से किन्हीं पांच श्लोकों का अन्वय अर्थ सहित लिखें।
 2. महाकवि कालिदास का चित्र बनाकर 10 वाक्य संस्कृत में लिखें।
 3. संस्कृत का महत्व '10 वाक्य संस्कृत में लिखें।

- SCIENCE Physics**
1. Draw image formation by concave mirror when object is
(a) placed at F (b) beyond C (c) between C and F
 2. The radius of curvature of convex mirror used in moving automobile is 2 m. A truck is coming behind it at a distance of 3.5 m. Calculate position and the size of image. what is the nature of the image?
 3. How far should an object be from the pole of concave mirror a focal length 20 cm to form a real image. Whose size is 1/5th of the size of the object.

- BIOLOGY**
1. Draw a labelled diagram of human digestive system and explain the functions of liver and pancreas.
 2. Explain different types of heterotrophic nutrition with example

CHEMISTRY 1. Define the following and write one chemical equations for each to support your answer :-

- a) combination reaction
 - b) thermal decomposition reaction
 - c) electrolytic decomposition reaction
 - d) single displacement reaction
 - e) precipitation reaction
2. Draw labelled figure of electrolysis of water.

- SOCIAL SCIENCE HA:**
1. Explain the process of German unification.
 2. Explain the different level of power sharing system in modern democracy.
 3. Imagine if oil supplies get exhausted, how will this affect our life style.

PW: Write a brief biography of Napoleon Bonaparte.

- MATHS**
1. Find the zeroes of given polynomials and verify the relationship between its zeroes and coefficients (a) $x^2 - 3x$ (b) $x^2 + 4x + 1$ (c) $x^2 - 15$
 2. If α and β are zeroes of $x^2 - 3x - 1$ then find a quadratic polynomial whose zeroes are α^2 and β^2 .
 3. If altitude of a right angled triangle is 7 cm less than its base and its hypotenuse is 13 cm, find its area.
 4. Draw the graph of equations : $x + 2y - 6 = 0$ and $x = y$. Write the coordinates of triangle formed by these lines and X - axis. Also find its area.

INFORMATION TECHNOLOGY

1. Describe any 7Cs of effective communication.
2. Why is self management important for us?
3. List any 4 practices to keep your computer work smoothly for a longer time?