

# SGJ DAV SEN. SEC. PUBLIC SCHOOL, HARIPURA

Class – 10th

Date – 07.01.2025

**Instructions: Dear children, The work which is being sent to you, it must be done in a fair notebook and in beautiful handwriting. When the school will reopen this home work will be checked. This work is given for revision purpose.**

## Sub – English

- Recently your school celebrated 'Vanmahotsav Week'. Write a letter in 100-120 words to the editor of a local daily describing the importance of trees in our life. You are Ram/Rama of Class X, Pinewood School, New Delhi.

## Sub- Hindi

- प्रश्न 1. आपका नाम अनामिका/अमान्य है। पिछले महीने आपने अपना घर बदला है, अपने बैंक खाते में पुराने पते के स्थान पर नया पता बदलवाने के लिए संबंधित बैंक प्रबंधक को लगभग 100 शब्दों में एक पत्र लिखें।
- प्रश्न 2. किसी प्रतिष्ठित समाचार पत्र में पत्रकार पद के लिए स्ववृत्त सहित आवेदन पत्र लिखिए।

## Sub-Punjabi

ਪ੍ਰਸ਼ਨ 1- 'ਘ' ਵਾਲੇ ਮੁਹਾਵਰੇ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ 2-“ ਮਿਠਤੁ ਨੀਵੀ ਨਾਨਕਾ ਗੁਣ ਚੰਗਿਆਈਆ ਤਤੁ” ਤੁਕ ਨਾਲ ਸੰਬੰਧਿਤ ਲੇਖ ਲਿਖੋ।

## Sub- Math

Q1. Aftab tells his daughter, “Seven years ago, I was seven times as old as you were then. Also, three years from now, I shall be three times as old as you will be.” (Isn't this interesting?) Represent this situation algebraically and graphically.

Q2 For which value of k will the following pair of linear equations have no solution?

$$3x + y = 1$$

$$(2k - 1)x + (k - 1)y = 2k + 1$$

Q3. A train covered a certain distance at a uniform speed. If the train would have been 10 Km/h faster, it would have taken 2 hours less than the scheduled time. And, if the train were slower by 10 km/h, it would have taken 3 hours more than the scheduled time. Find the distance covered by the train.

Q4 The sum of a two-digit number and the number obtained by reversing the order of Digits is 99. If the digits differ by 3, find the number.

Q5 The students of a class are made to stand in rows. If 3 students are extra in a row, There would be 1 row less. If 3 students are less in a row, there would be 2 rows more. Find the number of students in the class.

## Sub - Science

**Chapter-** Metals and non metals

- (a) Name a metal which does not stick to glass?
- (b) Name a non-metal which is good conductor of electricity?
- (c) Name the metal which is commonly used in thermit welding?

- (d) What gets deposited at the cathode, a pure or impure metal?
- (e) What is the nature of Zinc oxide?
2. Name three common forms in which metals occur in nature. Explain the interaction between metals and dilute acid?
3. (1) Write electron dot structure for sodium, magnesium and oxygen?
- (2) Show formation of  $\text{Na}_2\text{O}$  and  $\text{MgO}$  by the transfer of electrons?
4. Hydrogen gas is evolved by reacting a piece of magnesium ribbon with water:
- (1) Describe how it could be shown that the gas collected is hydrogen.
- (2) Write a chemical equation for the reaction taking place between magnesium and water using symbols.
- (3) Suggest how the appearance of magnesium would change after a week.
- (4) A few drops of universal indicator solution were added to water in the beaker. What colour would you expect to see and what pH would this colour indicate?

### **Sub- Social science**

1. What is Bank? Can you illustrate the functions of a Bank?
2. What is debt trap? Why is it more rampant in rural areas? Give four reasons.
3. Why do you think that the formal sources of credit provide loans at reasonable interest rates?
4. How does Reserve bank of India play a crucial role in controlling the formal sector loans? Explain in five points.