SGJ DAV Senior Secondary Public School , Haripura

Class : 10th (Assignment)

Date : May 12, 2025

Subject	Home- Work
English	Q1. Write an email in about 50 words to the Principal of your school requesting approval for arranging career counselling sessions for classes 9th and 10th student .Explain how these sessions will benefit students. Q2 .Write a factual description in not more than hundred words of a historical figure who played a significant role in shaping your country's independence. Q3 .You are Aditya. You recently read about the increasing air pollution in major Indian cities. Write a letter to the editor expressing your concerns and suggesting measures to combat this issue.
Hindi	*लोगों में बढ़ता हुआ मानसिक तनाव विषय पर 120 शब्दों में अनुच्छेद लिखें।
Punjabi	'ਸਮਾਜ ਵਿੱਚ ਬਜ਼ੁਰਗਾਂ ਦਾ ਸਥਾਨ' ਵਿਸ਼ੇ ਉੱਤੇ 250 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲੇਖ ਲਿਖੋ।
Science	1. Two metallic wires A and B are connected in second wire A has length l and radius r, while wire B has length 2l and radius 2r. Find the ratio of total resistance of series combination and the resistance of wire A, if both the wires are of same material? 2. Should the heating element of an electric iron be made of iron, silver or nichrome wire? Justify giving three reasons? 3. (a) Define electric resistance of a conductor? .(b)A wire of length L and resistance R is stretched so that its length is double and the area of cross section is halved. How will its (i) resistance change (ii) resistivity change?
Math	Q1 .Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu? Q2 The sum of the digits of a two-digit number is 9. Also, nine times this number is twice the number obtained by reversing the order of the digits. Find the number. Q3 A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid ` 27 for a book kept for seven days, while Susy paid ` 21 for the book she kept for five days. Find the fixed charge and the charge for each extra day. Q4 Solve $2x + 3y = 11$ and $2x - 4y = - 24$ and hence find the value of 'm' for which $y = mx + 3$. Q5 The coach of a cricket team buys 7 bats and 6 balls for ` 3800. Later, she buys 3 bats and 5 balls for ` 1750. Find the cost of each bat and each ball.
S. Sci	1.Does availability of good health and educational facilities depend only on amount of money spent by the government on these facilities? What other factors could be relevant? 2.Kerala, with lower per capita income has a better human development ranking than Haryana. Hence, per capita income is not a useful criterion at all and should not be used to compare states. Do you agree? Discuss. 3.Find out the present sources of energy that are used by the people in India. What could be the other possibilities fifty years from now? 4."The Earth has enough resources to meet the needs of all but not enough to satisfy the greed of even one person". How is this statement relevant to the discussion of development? Discuss. 5.List a few examples of environmental degradation that you may have observed around you.