DAV PUBLIC SCHOOL, MATHURAPUR

Home Work Assignments for Summer Vacation (Class – IX)-2019-20

English:-
1. One should be wise and mature while taking decision in life. Answer with reference to the poem "The road not taken".
2. Justify Bismillah khan as a true Hindustani.
3. Write an article for your school magazine on "Technology a boon or bane"

Maths:
1. Find the value of a and b

a) $\dfrac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$

b) $\dfrac{\sqrt{2}+\sqrt{3}}{3\sqrt{2}-2\sqrt{3}} = a - b\sqrt{6}$

2. Simplify:-

$\dfrac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}} + \dfrac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$

3. Represent $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5}, \sqrt{6}, \sqrt{7}, \sqrt{8}, \sqrt{9}, \sqrt{10}\ldots\ldots\ldots on.$ (as spiral) on chart paper.

SST. Project work only-
1. To prepare a project work on Disaster Management titled cyclone that hitted recently in orrisa (fani).

Science:

Chem:- Write all the physical states of matter & Characteristics of matter as well as write activities and draw diagrams in support of it.

Physics:-
1. Write the differences between distance travelled by a body and its displacement? Explain with the help of a diagram.
                    OR
1. Derive three equations of motion by graphical method. Also solve two numerical from each equation.

Bio:-
1. What are the factors for which variety improvement is done?
2. Explain:-   Nutrient management. (Micro & Macro- management)
                    Manure and its type,
                    Fertilizers - Advantages & disadvantages.

IT :
1. Do all exercise of Chapter – 1.
2. Write the names of five basic applications with its definition.
3. What is Network? Draw a diagram of its categories.

Sanskrit :
1. पाठ 1 एवं 2 पढ़े शब्दार्थ एवं अभ्यास याद कर के लिखें ।
2. बालक, साधु, लता, नदी, अस्मद् युष्मद, किम् (तीनों – लिंगों) में याद कर के लिखें ।
3. पढ, अस, कृ, पा (पिब) सेव् धातु रूपों पाँचों लकारों में याद कर के लिखें ।