

Class-10 (25/4/20)

**\*MATHS**

1) Find the zeros of the following quadratic polynomials and verify the relationship between the zeros and the coefficients

$x^2+7x+12$ ,  $x^2-2x-8$ ,  $x^2+3x-10$ ,  $4x^2-4x-3$

$5x^2-4-8x$ ,  $2\sqrt{3}x^2-5x+\sqrt{3}$

2) Find the quadratic polynomial whose zeros are 2 and -6. Verify the relation ship between the coefficients and the zeros of the polynomial.

3) Find the quadratic polynomial, the sum of whose zeros is  $\frac{5}{2}$  and their product is 1. Hence, find the zeros of the polynomial.

4) If  $x + a$  is a factor of the polynomial  $2x^2+2ax+5x+10$ , find the value of  $a$ .

Solve such type of 10 question from R.S.Agarwal.

**\*S.ST.**

History(Ch-1 The Rise of Nationalism in Europe)

(Long Answer Type Questions)

1. Describe any four features of the the Vienna treaty of 1815 in brief.

2. Explain how did the 18th and 19th century artist begin personifying a nation in allegory

3. How did a wave of economic nationalism strengthen the wider Nationalist sentiment growing in Europe?Explain.

**\*HINDI**

1. Korona ek waishwik bimari aur usse nijat ke upay vishay par ek nibandh likhiye.

**\*SCIENCE**

(Chemistry)

1- Zinc and Aluminium metal are amphoteric in nature what do you understand by the statement ? Support your answer by writing fully balanced equation of zinc and Aluminium.

2- While preparing the solution of silver nitrate in distilled water we always at a few drops of nitric acid . Explain your answer?

3- Why solid ferric chloride is stored in air-tight bottle?.

4- Write balance equation for the the following reaction of

a) Aluminium oxide and sodium hydroxide.

**\*ENGLISH**

1. Practice any 2 unseen passages from your old grammar book.

2. Transform any 10 statements from present tense to past tense using same verb.