

CLASS-10 29/5/20

*MATHS

Do it from the attached file

*SCIENCE

1.... when a green iron salt is heated strongly its colour finally change to down and the Odour of burning sulphur is given out.

a...Name the iron salt .

b... name the type of
reaction takes place during the heating of iron salt .

C.. write a chemical equation for the reaction involved.

2.... when a black metal compound XO is heated with a colourless gas Y2 ,then Metal X and another compound Y2O are formed .Metal X is a red red brown in colour which does not react with dilute acid at all .gas Y2 can be prepared by the reaction of the dilute acid on any active metal .the compound Y2O is a liquid at room temperature which can turn anhydrous copper sulphate blue.

a.. what do you think is metal x .

b.. what could be gas Y2.

c... what is the compound XO.

d... what is the compound YO.

e... write the chemical equation of the reaction

which takes place on heating XOwith Y2 .

f... what type of chemical reaction is illustrated in the above equation.

3... balance the following chemical equation..

a... Nitrogen + oxygen \Rightarrow ammonia

b.... sulphuric acid+ sodium hydroxide \Rightarrow sodium sulphate+ water

C.... calcium carbonate+ sodium hydroxide \Rightarrow calcium hydroxide+ sodium carbonate

*ENGLISH

Q1.Select any one of the following and write it.

(a) Write a letter to the Deputy Commissioner of Police complaining about a spate of robberies in your area. Express your concern about the safety of the residents and request him for immediate action.

(b) You had borrowed an expensive camera from your uncle for a school trip. You lost the camera. Write a letter to your uncle apologizing for your carelessness.

X (maths)29 may + 30 may

Solve each of the following by using the method of completing the square

1) $x^2 - 4x + 1 = 0$

2) $x^2 + 8x - 2 = 0$

3) $4x^2 + 4\sqrt{3}x + 3 = 0$

4) $2x^2 + 5x - 3 = 0$

5) $8x^2 - 14x - 15 = 0$

6) $-7x^2 + 3x - 4 = 0$

7) $3x^2 - 2x - 1 = 0$

8) $5x^2 - 6x - 2 = 0$

9) $\frac{2}{x^2} - \frac{5}{x} + 2 = 0$

10) $4x^2 + 4bx - (a^2 - b^2) = 0$

11) $x^2 - (\sqrt{2} + 1)x + \sqrt{2} = 0$

12) $\sqrt{2}x^2 - 3x - 2\sqrt{2} = 0$

13) $\sqrt{3}x^2 + 10x + 7\sqrt{3} = 0$

14) $x^2 - 10x - 2 = 0$

15) $3x^2 - 5x + 2 = 0$

16) $2x^2 + x - 4 = 0$

17) $10x - \frac{1}{x} = 3$

18) $a^2x - 3abx + 2b^2 = 0$

19) $x^2 - (\sqrt{3} + 1)x + \sqrt{3} = 0$

20) $(2x - 3)(3x + 1) = 0$

21) $4x^2 + 5x = 0$

22) $3x^2 - 243 = 0$

23) $2x^2 + x - 6 = 0$

24) $x^2 + 6x + 5 = 0$

25) $9x^2 - 3x - 2 = 0$

26) $x^2 + 12x + 35 = 0$

27) $x^2 = 18x - 77$

28) $6x^2 + 11x + 3 = 0$

29) $6x^2 + x - 12 = 0$

30) $3x^2 - 2x - 1 = 0$

31) $4x^2 - 9x = 100$

32) $15x^2 - 28 = x$

33) $4 - 11x = 3x^2$

34) $48x^2 - 13x - 1 = 0$

35) $x^2 + 2\sqrt{2}x - 6 = 0$

36) $\sqrt{3}x^2 + 10x + 7\sqrt{3} = 0$