* 80g of O_2 contains as many atoms as in…….
    a) 8g of Hydrogen
    b) 1g of Hydrogen
    c) 10g of Hydrogen
    d) 5g of Hydrogen

    Ans: d)

* The mass has molecular formulaX_4O_6 if log of X_4O_6 has 5.72g of X then calculate atomic mass of X
    a) 32u
    b) 64u
    c) 67u
    d) 98u

    Ans: a)

* 2g of metal carbonate is neutralized completely by 100ml of 0.1N Hcl the equivalent weight of metal carbonate is
    a) 50
    b) 100
    c) 150
    d) 200

    Ans: d)

* For the reaction represented by the equation $Cx_4+2O_2 \longrightarrow Co_2+2X_2O$
  9.0g of Cx4 completely reacts with 1.74g of oxygen, the approximate molar mass of X will be
    a) 20
    b) 40
    c) 60
    d) 80

    Ans:d)

* For the non-stoichiometric reaction $2A+B \longrightarrow C+D$,The following kinetic data were obtained in 3 separate expt at 298K
    a) k[A][B]
    b) $k[A]^2B$
    c) $k[A][B]^2$
    d) k[A]

    Ans:d)

* In the reaction P+Q $\longrightarrow$ R+S the time taken for 75% reaction of 'p' is twice the time taken for 50% of reaction P,the concentration of Q varies with reaction time solution in figure, the over all
    a) 2
    b) 3
    c) 0
    d) 1

    Ans: d)

* 75% of I order reaction is completed in 30mins, what is the time required to reaction
    a) 45
    b) 120
    c) 90
    d) 60

    Ans: d)

* An organic compound undergoes first order decomposition. Time taken for its decomposition to 1/8 & 1/10 of its initial concentration are $t_{1/8}$ & $t_{1/10}$ then
    a) 2
    b) 3
    c) 5
    d) 9

    Ans :d)

* The I order reaction is 60% complete in 20 min, how long the reaction take to be 84%.Complete
    a) 68 min
    b) 40min
    c) 76min
    d) 54min

    Ans :b)

* Identify the one which doesn't belongs to the class to which the other three belong
    a) Glucose
    b) Fructose
    c) Galactose
    d) Maltose

    Ans: d)