

University of Kalyani
S.R.Fatepuria College,Beldanga
U.G 1st semester examination '2022

Sub:-Chemistry practical

Programme core course

(BLENDED MODE)

F.M-20.

Time-2hrs

Gr--A(Inorganic chemistry)

1.answer any one(1×10)=10

a) Give major differences between primary standard

Solution and secondary standard solution.Is $K_2Cr_2O_7$ a primary standard or

Not and why?Find the equivalent weight of $K_2Cr_2O_7$.Give the formula of Mohr's salt.

[2+2+4+2]

b) In which pH range methyl orange indicator works?How do you prepare standard

250 ml (N/20)oxalic acid solution?what do you mean by molarity and normality of

a solution?give the structure of 'phenolphthalein indicator'. [1+4+3+2]

Gr--B(organic chemistry)

2.answer any one(1×10)=10

a) Is phenol acidic in nature?why? which colours they produce when treated with

$FeCl_3$?Give one suitable example with reaction.Give the structure of salicylic acid.

How do you identify $-NH_2$ group in a given sample. [2+1+2+1+4]

b) what do you mean by 'Back Dye ' test?How can we prepare 'Tollen's reagent'

In laboratory?Give the full name of D.N.P and for which functional group it is used ?Give identification tests for ' $-COOH$ ' gr. [3+2+2+3]

