

Q -1. Observe the following stem and answer the questions.



b.Why molarity is temperature depended? 2 c. What amount (mL) of 'B' solution should be taken to prepare 100mL centi molar solution of

 H_2A .

d. What will be the new molarity of the mixture if the solution of two containers are mixed together. Analyze mathematically. 4

Q -2. Observe the following stem and answer the questions.



b. Explain W=Zit

2 3 c. After mixing of two solution in the stem what mL of CO₂ will produced at S.T.P?

d. Which will be suitable between two indicator in the stem to titrate soln-ii by soln-i?Analyze with logic. 4

1

2

3

Q -3. Observe the following stem and answer the questions.

20mL	25mL
0.5M	0.15M
monobasic	Diacidic
Acid	Base
X-solution	Y-solution

X-solution

a. b.

c. How can you convert the X-solution into a decimolar solution.

d. What change will occur in the concentration of acid or base if two solutionin of the stem are mixed together,

Q -4. Observe the following stem and answer the questions.



c.Balance the redox reaction which take place first in the conical flask by ion-electron method. 3 d. Can you calculate the amount of Cu, if 30 mL of $Na_2S_2O_3$ solution is nedded to neutralized the produced I_2 in the conical flask?

Q -5. Observe the following stem and answer the questions.



a. What is Indicator?	1
b. Why is there no reaction of Cu with dil H_2SO_4 ?	2
c. Calculate the concentration of A solution in p.p.m unit.	3
d. What will be the nature of the mixture if 10 mL solution of container A is mixed	with solution
of container B- Analyze mathematically.	4

Q -6. Observe the following stem and answer the questions.



 a. What is molarity? b. What is the oxidation number of the central atom in LiAlH₄? c. Balance the reaction that occurs when mix the solution of A and B t method. d. Whether it is possible to determine the amount of 'Fe' if B solution 	1 2 ogether by ion-exchange 3 neutralized completely
d. Whether it is possible to determine the amount of 'Fe' if B solution	neutralized completely
by solution A? Analyze mathematically.	4