HIGHER SECONDARY PRACTICAL EVALUATIONS - MARCH 2017

 Subject: Chemistry
 Maximum Score: 40
 Time: 3 Hours

 1
 Fetimete the mass of
 in the whole of the given solution

1.	Estimate the mass of in	the whole of the given solution.
	You are provided with a standard solution of	containing
		(Score: 13)
2.	Briefly write the procedure for the above minutes.	estimation within first five (Score: 2)
3.	Analyse the given salt systematically and identify a	nd confirm the anion and cation
	present in it.	(Score: 13)
	Analyse the given organic compound and identify a present in it.	(Score: 6)
5.	Viva voce (Informal simple Questions to know awaren	ess on practical) (Score: 2)
6.	Practical Record	(Score: 4)
	DETAILED SPLIT UP OF SCO	ORES
1. Qu	antitative Analysis	: 3 + 5 + 5 = 13
	a. Tabulation and recording of data	:3
	b. Calculation	: 1 + 1 + 1 + 2 = 5
	[Normality of standard solution (1), Normality of solut	tion to be estimated (1),
	Correct equivalent masses (1), Correct calculation of t	the result with unit (2)]
	c. Correct recording of results	: 5
	[Error within 1% - 5, Error up to 1% - 4, Error up to 2	
	occdure for quantitative analysis	$: \frac{1}{2} \times 4 = 2$
[Solu	tion in pipette, Solution in burette, Indicator used, Colou	ir change at end point - 1/2 x 4 = 2]
3. Q	alitative Analysis	: 5 + 6 + 2 = 13
	a. Anion	: 2 + 3 = 5
[Iden	tification test (One) - 2, Confirmatory test (One) - 3]	
	b. Cation	: 1 + 2 + 3 = 6
[Iden	tification of group (One) - 1, Identification of cation (On	e) - 2,Confirmatory test (One)- 3]
	c. Systematic analysis and recording of simple salt	: 1+1=2
[Ani	on - 1, Cation-1]	
4. Ft	inctional group analysis of organic compound	: 3 + 3 = 6
[Ider	tification of functional group (One test) - 3, Confirmator	ry test (One) - 3]
	iva Voce	:2
LAsc	ertaining the awareness of concepts related to the practic	al through simple questions -2]
-	actical Record	:4
[Basic laboratory techniques - ½, Physical chemistry experiments (two) - ½, Reactions of anions and cations - ½, Salt analysis (8 salts) - ½, Reactions of Organic compounds - ¼,		
	tification of Functional group of organic compounds (5 f	
	ysis (Acidimetry, Alkalimetry & Permanganometry - 2c	
	And for the second seco	