HIGHER SECONDARY EXAMINATION - 2018

Subject: Chemistry - Practical

Maximum Score : 40

Time : 3 Hrs.

Estimate the mass of ------ in the whole of the given solution. You are provided with a standard solution of ------ containing ------ grams/ litre (Score - 12)
 Briefly write the principle and procedure for the above estimation within first five minutes. (Score - 3)
 Analyse the given salt, identify and confirm systematically the anion and cation present in it. (Score - 13)
 Analyse the given organic compound, identify and confirm the functional group present in it.

5. Viva voce

6. Practical record

(Score - 6) (Score - 2) (Score - 4)

HIGHER SECONDARY EXAMINATION - 2018

Subject: Chemistry - Practical

Maximum Score : 40

Time : 3 Hrs.

(Score - 3)

(Score - 2)

(Score - 4)

- Estimate the mass of ------ in the whole of the given solution. You are provided with a standard solution of ------ containing ------ grams/ litre (Score 12)
- 2. Briefly write the principle and procedure for the above estimation within first five minutes.
- 3. Analyse the given salt, identify and confirm systematically the anion and cation present in it. (Score 13)
- Analyse the given organic compound, identify and confirm the functional group present in it.
 (Score 6)
- 5. Viva voce
- 6. Practical record

Chemistry - 1/3 -

EVALUATION OF CHEMISTRY PRACTICALS – DETAILS

1.	Practical Record					
	a.	Basic	Labora	tory techniques	- 1/2	
	b.	Physic	cal Che	mistry Experiments (two)	- 1/2	
	c. Reactions of anion and cation				- 1/2	
	d.	Salt a	nalysis	(6 Salts)	-1	
	e.	Identi	ification	n of functional groups (Four)	- 1/2	
	f.	Volum	netric a	nalysis (Four)	-1	
2.	Viv	va voce	: Infor	mal simple questions to know the awarer	ess on Chemistry practical- 2	
2	-		1-			
3.						
	a. Systematic Analysis of anion				- 1	
	b.	*		test for anion	- 3	
	c. Confirmation test for anion				- 2	
÷.,	d.			nalysis of cation	- 1	
	e.			n of group	- 2	
	f.			test for cation	- 2	
	g.			test of cation	- 2	
4.	and a search analysis of organic compound (Score of					
	а.			of functional group (One test)	- 3	
				of functional Group (One test)	- 3	
5.	Quantitative analysis (single Titration – Score 12)					
	a. Tabulation and recording				- 2	
	b.	Calcul			and the start of the start of the	
		i.		ality of standard solution	- 1	
		ii.		ality of solution to be estimated	- 1	
		iii.		ct equivalent masses	- 1	
		iv.	Corre	ct calculation of the result with unit	- 2	
			i.	error within 2% (Full score)	- 5	
			ii.	error up to 3%	- 4	
			iii.	error above 3%	- 3	
6.	Principle and procedure for quantitative analysis (Score -3)					
	a. For writing the chemical equation				- 1	

· b. Procedure (Score - 2)

Chemistry - 2/3 -

Solution in pipette	1/2
Solution in burette	1/2
Indicator used	1/2
Colour change	1/2

Note

- i. The procedure for qualitative analysis should be obtained in details
- ii. The student has to make up the solution for estimation
- iii. Normality or molarity may be used as the concentration for qualitative analysis.
- iv. Systematic analysis should be followed in salt analysis.
- v. At least four different types of question papers may be used.
- vi. Certified record should be produced.