

Sample Copy of the Lab Report

(A) Report Cover Page: *(Fill up the followings, Hand writing)*

1. Number of the Experiment:

2. Name of the Experiment:

.....
.....

3. Date of Performance:, Date of Submission:

4. Name of Course Teacher:

5. Students' Name:, ID:, Section:, Group:

(B) Body of the Report: *(Hand writing on A4-size off-set papers)*

1. PURPOSE/OBJECTIVE:

.....
.....*(See Experiment Details/Lab Sheet)*

2. THEORY:

(i) **Method involved:** *(Acid-base titration/ Redox Titration/
Conductometric Titration)*

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(ii) **Reaction:** (Main reactions and Half reactions, if any)

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(iii) **Indicator:** (Name of the indicator, explain why you have chosen it)

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.....
.....

3. NAME OF THE CHEMICALS:

<u>Name of the chemicals</u>	<u>Chemical Formula</u>
1.
2.
3.
4.
5.etc.

[For example,

<u>Name of the chemicals</u>	<u>Chemical Formula</u>
1. Supplied Sodium Hydroxide solution	NaOH
2. Standard Oxalic acid solution	C ₂ H ₂ O ₄
3. Phenolphthalein indicator	C ₂₀ H ₁₄ O ₄]

4. NAME OF THE APPARATUS:

Burette (50ml)	Pipette filler
Pipette (10ml)	Dropper
Conical flask (250ml)	Stand clamp etc.
Volumetric flask (100ml)	
Watch glass	

5. PREPARATION OF THE STANDARD SOLUTION: (to be written in past passive form)

6. PROCEDURE OF THE EXPERIMENT: (to be written in past passive form)

(C) Lab Sheet: (Attach the original Lab Sheet signed by your teacher)

1. PREPARATION OF APPROX. 0.1N STANDARD SOLUTION:

$$\text{The strength of solution} = \frac{\text{Weight taken (in gm)} \times 0.1}{\text{.....(0.63 / 0.53 / 0.49etc)}} \text{ (N)}$$

2. EXPERIMENTAL DATA: (1 or 2 Tables based on experiment)

Table-1:

No. of reading	Vol. of (in ml.)	Vol. of (burette reading) (in ml.)			Mean (in ml.)
		Initial	Final	Difference	
1	10				
2	10				
3	10				
4	10				

Table-2:

No. of reading	Vol. of (in ml.)	Vol. of (burette reading) (in ml.)			Mean (in ml.)
		Initial	Final	Difference	
1	10				
2	10				
3	10				
4	10				

3. CALCULATIONS:

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.....
.....

4. RESULTS:

.....

5. Percentage of Errors: (If necessary)

$$\frac{(\text{Known value} - \text{Observed value}) \times 100}{\text{Known value}}$$

.....

(D) DISCUSSION:

(a) *Precautions Taken:*

(1)

(2)

(3) etc.

(b) *Possible errors:*

(1)

(2)

(3) etc.