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:

Name of the chemicals	Chemical Formula
1. ……	*……*
2. ……	*……*
3. ……	*……*
4. ……	*……*
5. ……	*……..etc.*

[*For example,*

Name of the chemicals	***Chemical Formula***
1. Supplied Sodium Hydroxide solution	*NaOH*
2. Standard Oxalic acid solution	$C_2H_2O_4$
3. Phenolphthalein indicator	$C_{20}H_{14}O_4$]

4. NAME OF THE APPARATUS:

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

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

1. PREPARATION OF APPROX. 0.1N STANDARD SOLUTION:

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

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:

……
……
……
……

4. RESULTS:

……

5. Percentage of Errors: (If necessary)

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

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(D) DISCUSSION:

(a) *Precautions Taken*:

(1) …….

(2) ……

(3) …… etc.

(b) *Possible errors*:

(1) …….

(2) ……

(3) …… etc.