LCR - Report Structure.

1) TITLE
2) ABSTRACT [4 sentences]

main :

A) AIM
B) OBSERVATION
C) RESULT
D) INFERENCE

3) INTRODUCTION
   A) BACKGROUND THEORY (½ page)
      - LAWS.
      - FITTING EQUATION
      - DESCRIBE DEPENDENT & INDEPENDENT VARIABLES & FITTING PARAMETER (& AUXILIARY PARAMETERS)
      - RELATE BACK TO MEASUREMENTS
   B) MATERIALS & METHODS (½ pge)
      - APPARATUS (¼)
      - PROCEDURE (¼)

1 page.

4) RESULTS
   A) TRANSIENT DECAY (RC) [½ page]
      (measurement -vs- simulation)
      4 times (τ_{meas}, RC, comparison, justification).
   B) DC [SQ. WAVE] (1½ page)
      - RC (meas. -vs- simulation) (4 times) [½ pg]
      - LR " " " "
      - LC " " "
   C) AC [SINE WAVE] for RC, LR, LCR.
      - 3 diagrams [½ page]

①	②
③	

      (-ve) (+ve) (-ve → +ve)
      ① Z_{meas} -vs- f
      ② $\phi_{th.}$ -vs- f ($f = \frac{\omega}{2\pi}$)
      ③ phase - vs - f

2 pg

1½ pg.

5) UNCERTAINTY [¼ pg]

½ page

6) DISCUSSION. [¼ pg]

- ACCURACY (DC)

$$\left|\frac{y_{th} - y_{exp.}}{y_{th}}\right| \times 100\% \rightarrow \text{INSTRUMENT}$$

- PRECISION

$$\frac{\text{unc. exp}}{y_{exp}} \times 100\% \rightarrow \text{PROCEDURE}$$

7) APPENDIX