Experiment no.2:

Preparation of 0.1N Sodium carbonate(Na₂CO₃) solution 250 mL

Theory:

Sodium carbonate is primary standard substance so the solution which is prepared from it, is standard solution.

Procedure:

1- Determine the mass of Na₂CO₃ from this rule:

$$N = \frac{mass \times 1000}{eq.mass \times V}$$

Mass =
$$0.1 \times 53 \times 250 \div 1000 = 1.325g$$

2- weight 1.325g Na₂CO₃ on sensitive balance and dissolve in the beaker in 100 mL distilled water to volumetric flask and shake well.