



# S. N. Patel Institute of Technology & Research Centre, Umrakh

(A Vidyabharti Trust Institution)

## Civil Engineering Department

**Subject Name:** Concrete Technology

**Subject Code:** 3150610

Sr.No.	Experiment
1	Determination of consistency of standard cement paste
2	Determination of initial and final setting times of ordinary Portland cement
3	Determination of soundness of cement by Le chatlier
4	Determination of compressive strength of cement
5	Sieve Analysis of Coarse and Fine Aggregates for Concrete
6	Determination of aggregate crushing value, ten percent fines values and aggregate impact value
7	Determination of specific gravity, water absorption and natural moisture content of fine and coarse aggregates
8	Determination of loose and compacted bulk density and voids of fine and coarse aggregates
9	To determine the percentage of grit and Aggregate for maximum dry compacted unit weight
10	Determination of compressive strength of concrete cubes and concrete cylinders
11	Determination of flexural strength of concrete
12	Determination of tensile strength of concrete by split cylinder test
13	Effect of admixture on the properties of concrete