

DEPARTMENT OF CIVIL ENGINEERING

CE8311 - CONSTRUCTION MATERIALS LABORATORY

(II Year - ODD Semester)

Regulations: R17

List of experiments recommended as per Anna University

I. TEST ON FINE AGGREGATES

1. Grading of fine aggregates
2. Test for specific gravity and test for bulk density
3. Compacted and loose bulk density of fine aggregate

II. TEST ON COARSE AGGREGATE

1. Determination of impact value of coarse aggregate
2. Determination of elongation index
3. Determination of flakiness index
4. Determination of aggregate crushing value of coarse aggregate

III. TEST ON CONCRETE

1. Test for Slump
2. Test for Compaction factor
3. Test for Compressive strength - Cube & Cylinder
4. Test for Flexural strength

IV. TEST ON BRICKS AND BLOCKS

1. Test for compressive strength of bricks and blocks
2. Test for Water absorption of bricks and blocks
3. Determination of Efflorescence of bricks
4. Test on tiles

List of experiments beyond the Curriculum

1. Vee bee Test.
2. Test for Water absorption of Aggregate.