



BUILDING MATERIALS & CONSTRUCTION LAB (P-23.4)

1. To determine the crushing strength of bricks.
2. To determine the water absorption of bricks and efflorescence of bricks.
3. To determine fineness (by sieve analysis) of cement.
4. To conduct field test of cement.
5. To determine normal consistency of cement.
6. To determine initial and final setting time of cement.
7. To determine soundness of cement.
8. To determine compressive strength of cement.
9. Demonstration of tools and plants used in building construction.
10. To prepare Layout of a building: Two rooms building with front verandah.
11. To construct brick bonds (English bond only) in one, one and half and two brick thick (a) Walls for L, T and cross junction.
12. Demonstration of following items of work at construction site by:
 - a- Timbering of excavated trenching
 - b- Damp proof courses laying
 - c- Construction of masonry walls
 - d- Laying of flooring on an already prepared lime concrete base
 - e- Plastering and pointing exercise
 - f- Constructing R.C.C. work
 - g- Pre-construction and post construction termite treatment of building and wood work

**Department of
Civil Engineering**