

Assignment

1. Design a two way reinforced concrete floor slab for a room of size 3m x 5m when the corners of the slabs are prevented from lifting and subjected to a live load of 3kN/m². The load due to partition wall is 2.5kN/m² and floor finish is 0.6kN/m². Use M20 and Fe415 as materials.
2. Design the reinforcement required for a two way simply supported slab for room of size 6m x 6m clear. It is supported on 230mm thick wall. Live load on slab is 1.5kN/m². Three edges discontinuous (one short edge continuous) consider other dead load also. Use M20 and Fe415 as materials.