

Assignment

1. Express slope and deflection at free end of a cantilever beam subjected to udl
2. Write the boundary conditions in case of cantilever beam
3. A cantilever beam 2.5m long is loaded with a uniformly distributed load of 10KN/m over a length of 1.5m from the fixed end. Determine the slope and deflection at the free end.

Take flexural rigidity as 1.9×10^4 N-mm