



Diagram of a beam of length 5m. The load intensity is 0 kN/m at the left end and increases linearly to 5 kN/m at the right end. The beam is divided into three segments: 0m to 1m, 1m to 3m, and 3m to 5m. The load intensity at 1m is 1 kN/m, and at 3m it is 3 kN/m.