



A horizontal beam of length 10m is shown. A uniformly distributed load (UDL) of 20 kN/m is applied over the first 2m of the beam, represented by a black rectangle. A point load of 120 kN is applied at the 6m mark, represented by a downward arrow. The beam is supported by a pin support at the left end (0m) and a roller support at the right end (10m). The distance markers 0, 2m, 4m, 6m, 8m, and 10m are indicated along the top of the beam.