



SNS COLLEGE OF TECHNOLOGY



UNIT II - SHEAR FORCE AND BENDING MOMENT

Cantilever beams



Cantilever beams

Cantilever beam means a rigid beam or bar that is fixed to a support usually a vertical structure or wall and the beam's other end is free. The beam's fixed end has a reaction force and moment created by the load acting at the free end. The intention of cantilever beam is to create a bending effect to certain limit.





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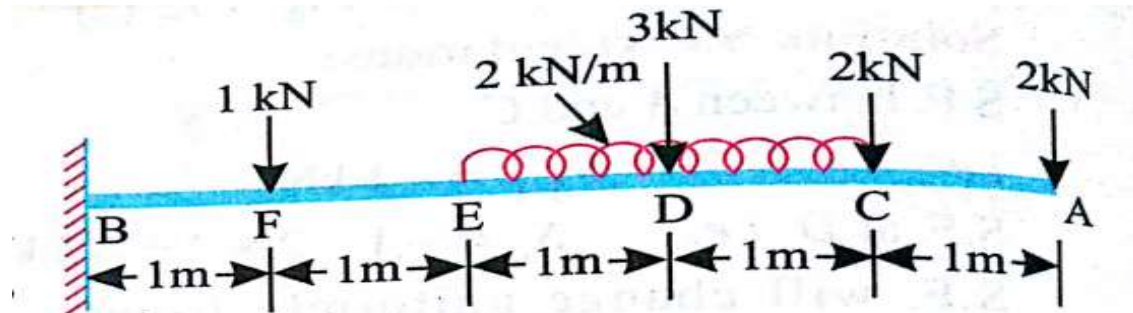
cantilever beam example





Problem

1. Draw the S.F. and B.M. diagrams for cantilever loaded as shown in Fig.





Problem

2. Draw the S.F. and B.M. diagrams for cantilever loaded as shown in Fig.

