SNS COLLEGE OF TECHNOLOGY
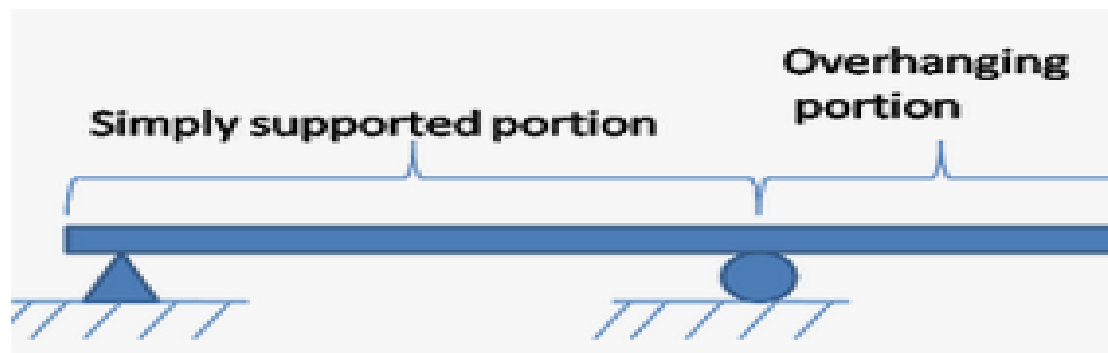
UNIT II -   BEAMS – SHEAR FORCE, BENDING MOMENT AND THEORY OF BENDING

Overhanging beams

Overhanging beams

An overhanging beam is defined as a beam, which is freely supported at two points and having one or both ends extending beyond these supports. Mostly in the overhanging beam one support is hinge support while is roller support having one end as free like as cantilever.
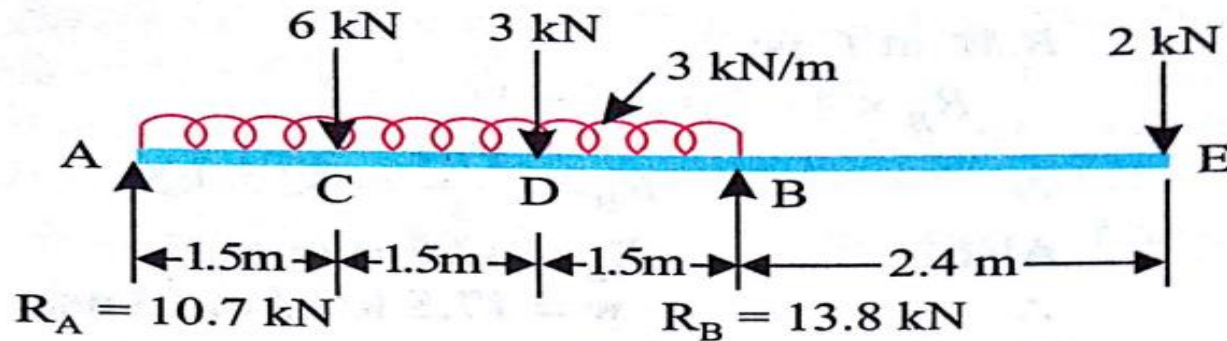
Overhanging beams example

Problem

1. Fig. shows a loaded beam. Sketch the BM. and SF. diagrams giving the important numerical values.

Problem

2. Draw the S.F. and B.M. diagrams for the beam shown in Fig.