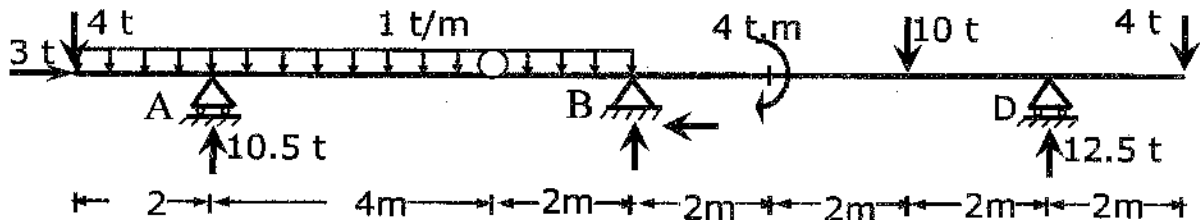




**Answer the following questions, and assume any missing data.**

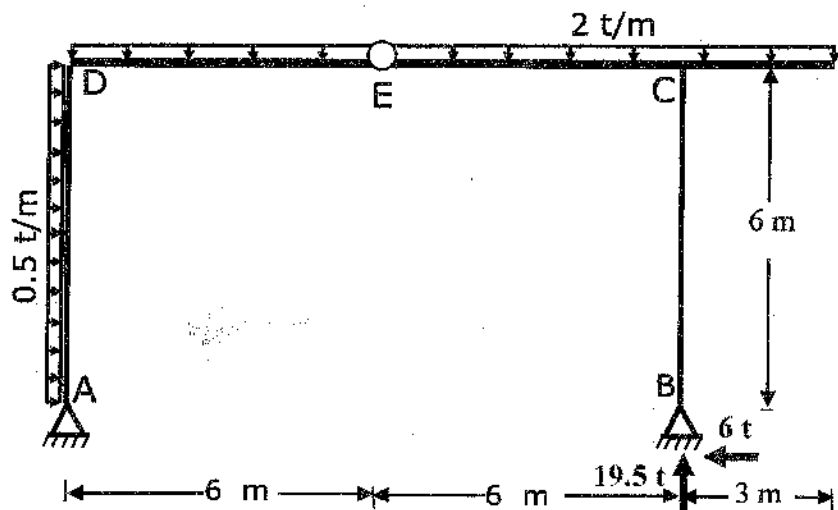
**Q 1 (ILOs a5, b2, c1) (15 degree)**

For the shown beam, draw the internal forces diagrams?



**Q 2 (ILOs a5, b2, c1) (20 degree)**

Draw the N.F., S.F., and B.M. diagrams for the shown frame?



**Q 3 (ILOs a5, b2, c1) (15 degree)**

Find the forces in the marked members for the shown truss?

