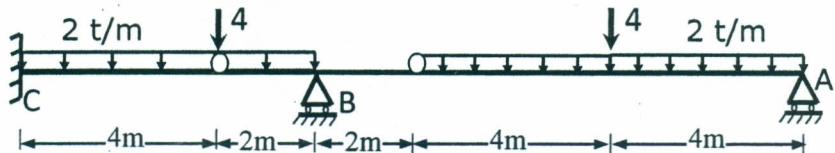


**Answer the following questions, and assume any missing data.**

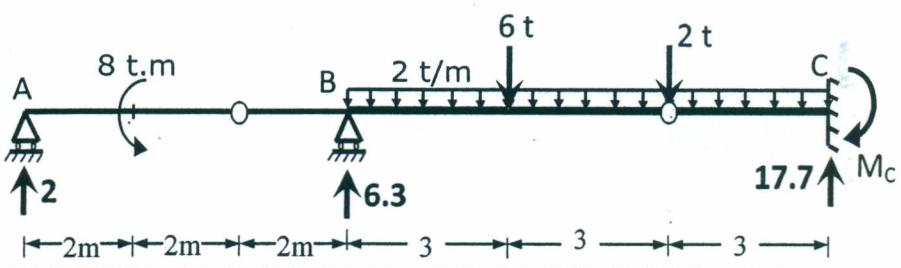
**Q 1** (10 deg.)

Find the reactions of the shown beam.



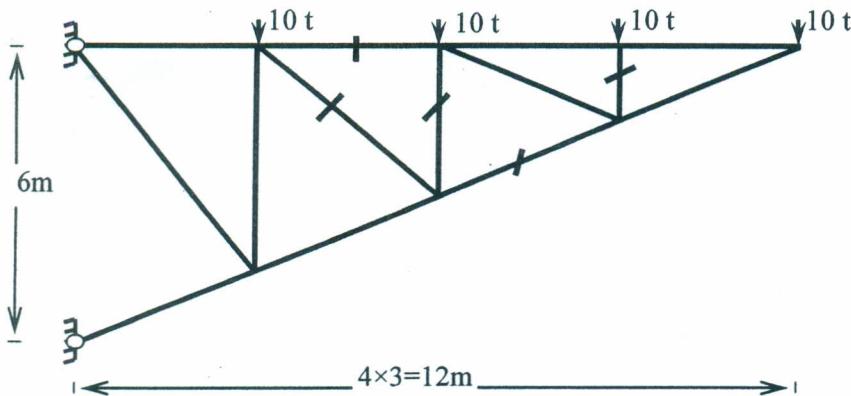
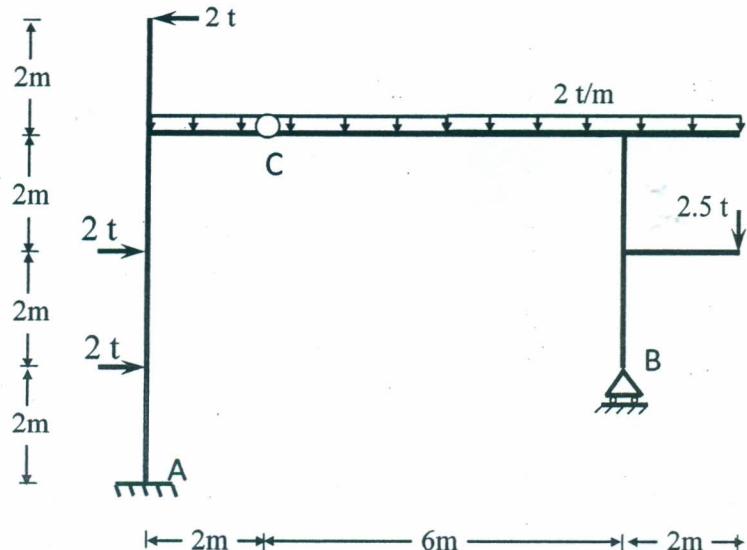
**Q 2** (20 deg.)

For the opposite beam, Draw the internal forces diagrams.



**Q 3** (25 deg.)

For the shown frame, find the reactions and draw the internal forces diagrams.



**Q 4** (15 deg.)

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