

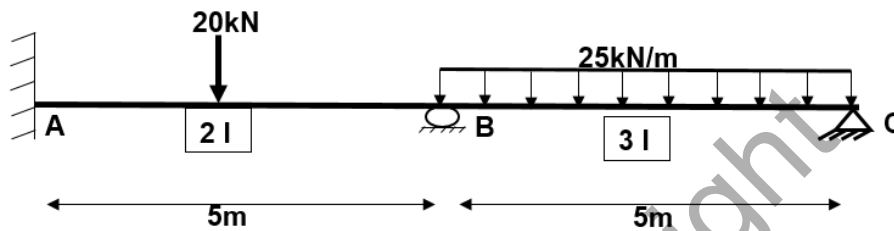
SAMPLE TEST -1

Time: 1 hour

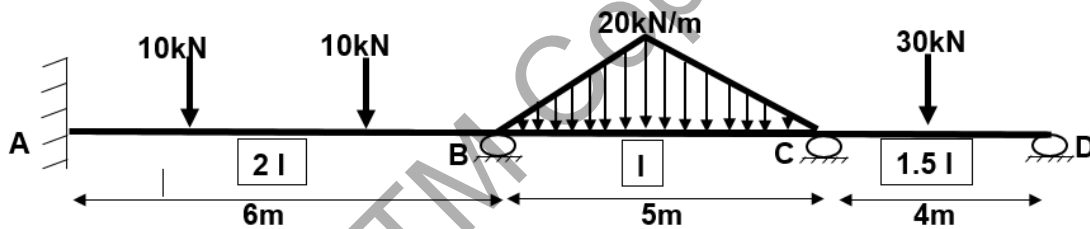
Max marks: 30

Answer all questions

1. Using stiffness method of analysis, calculate the moments and reactions in the continuous beam shown in the figure below:



2. Using stiffness method of analysis, calculate the moments and reactions in the continuous beam shown in the figure below:



3. Using stiffness method of analysis, find the moments and reactions for the complete non-orthogonal structure shown in figure below:

