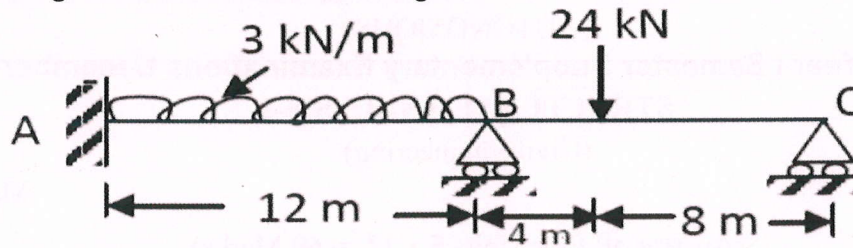


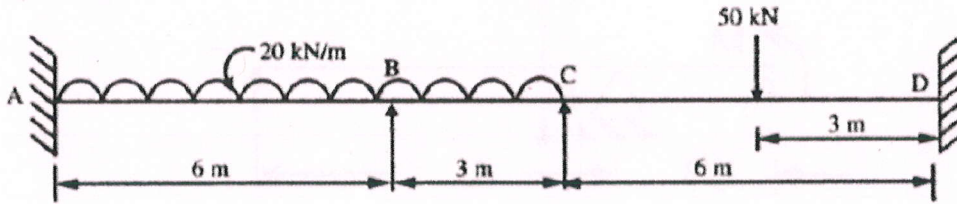
UNIT-III

- 5 Analyze the continuous beam shown in figure below using slope deflection method. The support B sinks by 0.03 m. Values of E and I are 200 GPa and $0.2 \times 10^{-3} \text{ m}^4$ respectively uniform throughout. Draw SF and BM diagrams. 12M



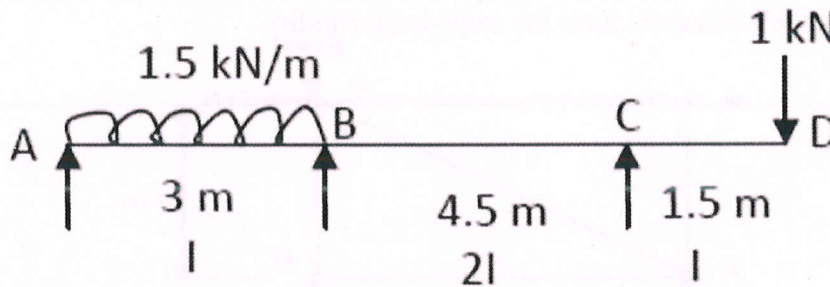
OR

- 6 Analyze the continuous beam as shown in figure below by slope deflection method. Support B sinks by 10 mm. Take $E = 200 \text{ GPa}$ and $I = 16 \times 10^7 \text{ mm}^4$. Draw the bending moment diagram 12M



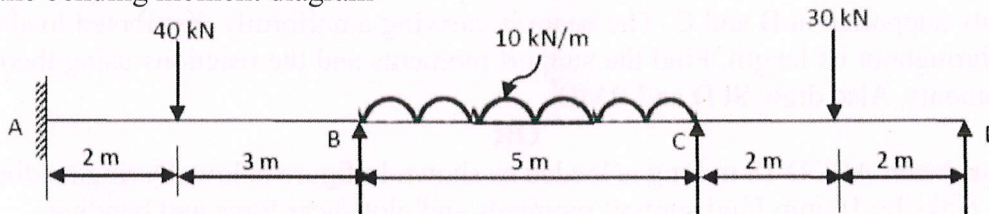
UNIT-IV

- 7 Analyze the continuous beam shown in figure below using moment distribution method. Draw B.M and S.F diagrams. 12M



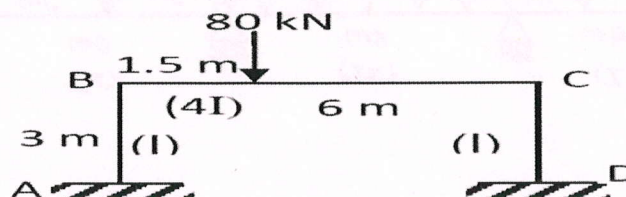
OR

- 8 Analyze the continuous beam as shown in figure below by moment distribution method. Draw the bending moment diagram 12M



UNIT-V

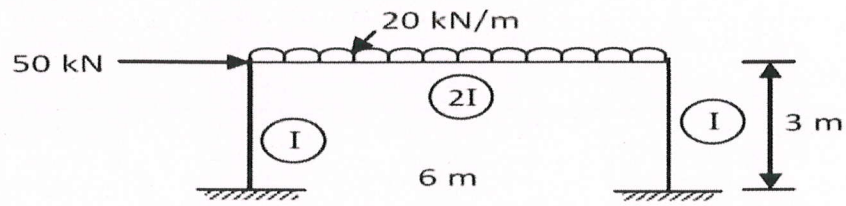
- 9 Analyze the frame shown in figure using Kani's method 12M



OR

10 Analyze the portal frames shown in figure by Kani's method

12M



*** END ***

