

- 5 Analyse the continuous beam shown in Fig. Q5 by three moment theorem. The support 'C' sinks by 10 mm. Take $EI = 8000 \text{ kN-m}^2$. Draw BMD and SFD. (20 Marks)

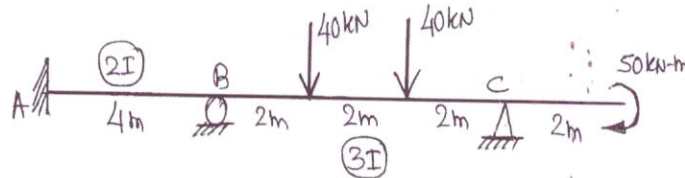


Fig.Q5

- 6 Analyse the continuous beam shown in Fig. Q6 by M.D. method. Draw BMD and SFD. (20 Marks)

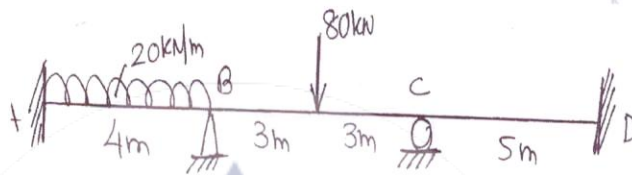


Fig.Q6

- 7 Analyse the frame shown in Fig.Q7 by M.D. method and draw only BMD. (20 Marks)

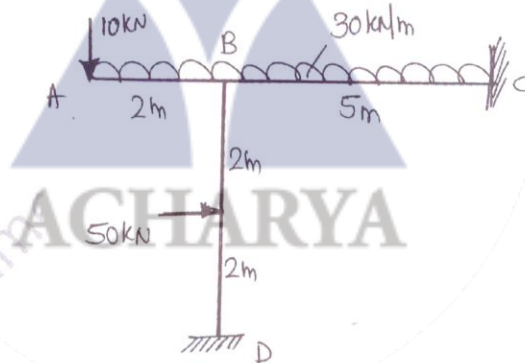


Fig.Q7

- 8 Analyse the portal frame shown in Fig. Q8 by M.D. method and draw only BMD. (20 Marks)

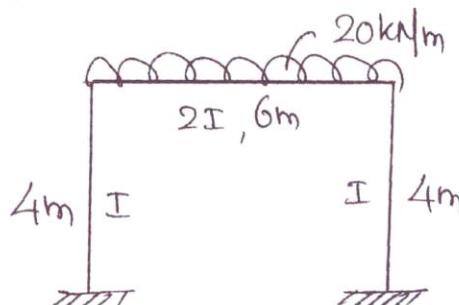


Fig.Q8
