TE/Insem./Oct.-104
T.E. (Civil Engineering)
STRUCTURAL ANALYSIS - II
(2015 Pattern)
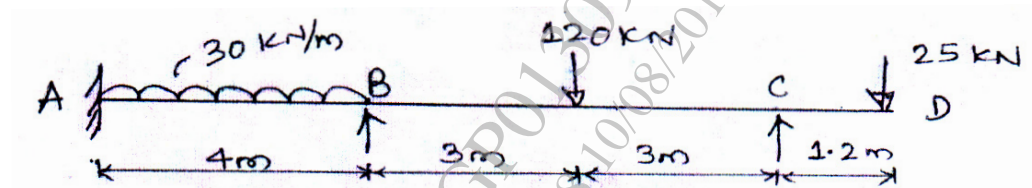
Time : 1 Hour]   *[Max. Marks : 30*
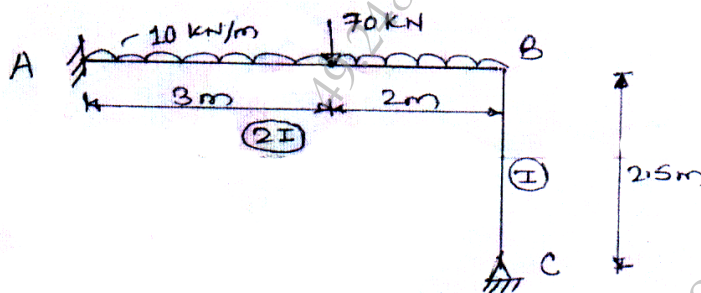
Instructions to the candidates:

    1)   *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*

    2)   *Figures to the right indicate full marks.*

    3)   *Assume Suitable data if necessary.*

    4)   *Use of electronic calculator is allowed.*

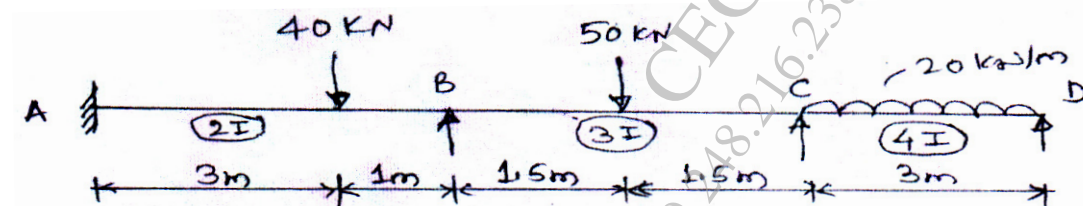**Q1)** Analyse the contineous beam by Slope-Deflection method. Draw BMD. **[10]**

OR

Q2) Analyse the frame by Slope-Deflection method. Draw BMD.   **[10]**

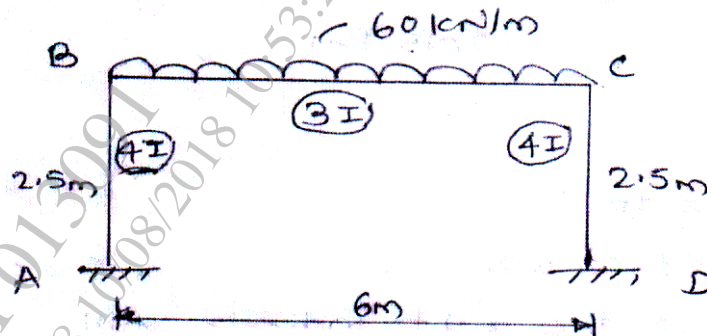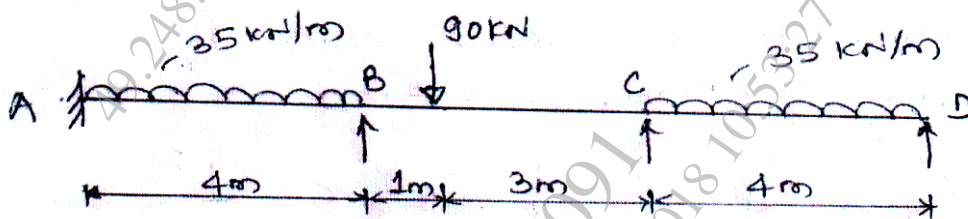**Q3)** Analyse the beam using Moment Distribution Method and draw BMD. **[10]**

Q4) Draw BMD for the portal frame shown in the figure, using Moment Distribution method. **[10]**
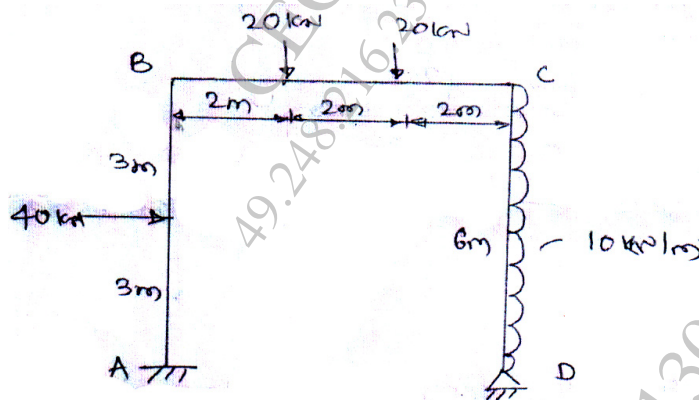

Q5) Analyse the beam by Flexibility Matrix Method. Draw BMD. **[10]**

OR

Q6) Analyse the frame by Flexibility Matrix Method. Draw BMD. **[10]**

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