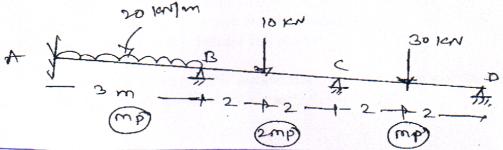
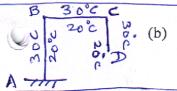
QP Code: 11967

Determine the plastic moment capacity for the beam as shown in fig. take 6. (a) 14 Load factor 1.5



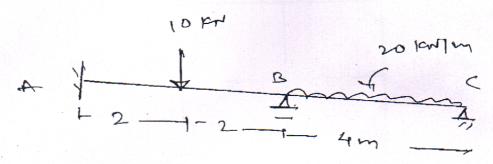


6 For the rigid Jointed frame as shown in fig. Det. harizontal deflection at D, Assume $\alpha = 12x10^{-6}$ and depth of all members as 400 mm. Neglect the

effect of axial forces. LAB = 4m; lBc = 3m; lcp = 2m.

7. (a) Analyse the beam by three moment theorem and draw BMD.

12



EI - constant

A two hinged parabolic arch of span 30 m and rise 5 m carries u.d.l. of 20 (b) kN/m on left half span find reactions at supports and draw BMD.