Assignment

1.Find the moment of resistance (Mu) of a beam using following data b=240mm; d=500mm; d'=40mm; Ast = 2140mm2; Asc=1035mm2; Concrete M20 and steel Fe415.

2. A beam 300 x 600mm effective in section carries a factored moment of 320 kNm at a section. Find the steel required if M20 and Fe415 are used as materials d'=30mm.