

Assignment

1. Compute the ultimate moment of resistance of a T-beam with the following data. Width of flange = 1450mm; depth of flange = 120mm; width of rib = 300mm; effective depth = 525mm; $A_{st} = 3700\text{mm}^2$; Materials = M25 and Fe500.
2. Compute the ultimate moment of resistance of a T-beam with the following data. Width of flange = 1500mm; depth of flange = 100mm; width of rib = 300mm; effective depth = 600mm; $A_{st} = 4500\text{mm}^2$; Materials = M20 and Fe415.