



Digital Assignment: 3

Date of assignment:
24.3.2020 (Tuesday)

To be submitted on or before:
25.3.2020 (Wednesday)

Question 1:

Determine moment of resistance of a RCC beam of size 300 mm x 400 mm having bottom reinforcement in the form of 4- 12 mm diameter bars, using **Working Stress Method** of design. Grade of concrete is M20 and grade of steel is Fe415.

Question 2:

Find moment of resistance of an RCC beam 200 mm wide and 450 mm deep. The beam is reinforced with 3-12 mm diameter bars in tension zone. The effective cover to the reinforcement is 35 mm. Use **limit state method** with grade of concrete M20, grade of steel Fe415.