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15CVL67

Sixth Semester B.E Degree Examination, June-July 2018
SOFTWARE APPLICATION LAB

Time-3hrs

MaxMarks-80

NOTE: Answer Three full questions, choosing one full question from each module

Assume any missing data suitably

Module -1

- 1. Analyze the following using Staad.Pro
 - a. Portal Frame [20 Marks]
 - b. Continuous Beam [20 Marks]

OR

- 2. Analyze a 3 story building (Plan Should be provided by the examiner) [40 Marks]

Module -2

- 3. Prepare a project management schedule linking different tasks and allotting resources, also create baseline project with tracking for civil engineering structures [20 Marks]

OR

- 4. Create a shape file with layers which includes points, lines and polygons. [20 Marks]

Module -3

- 5. Design Doubly Reinforce Beam using Excel for the following data
The effective span = 5 m, Width = 250 mm, over all depth – 500mm, service load(LL+DL)= 40 KN/m, Effective cover= 50mm, FCK=20 , Fy=415.
[20 Marks]

OR

- 6. Design a two way slab Using Excel for the following data
Size of the panel = 3*4, Live load= 4 KN/m, Bearing= 300mm, Fck = 20, Fy=415
[20 Marks]

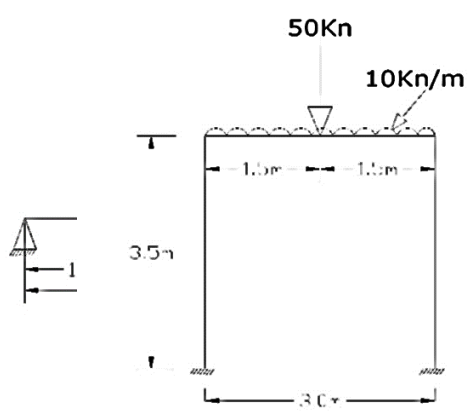


Fig. 1 (a)

Fig 1(b)

Note: Similar Kind of questions may be set.