Sohag University   4rd year Civil and Arch. Structures
Faculty of Industrial Education   Date: Nov. 2017
Civil and Architecture Structures. Dept.   **(Concrete and Structural analysis)**   Time: 1.5 hours

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Notes: Any missing data is to be reasonably assume   Name:

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* Use the given parameters in the design

- L.L = 200 kg/cm^2

- D.L = 150 kg/cm^2

- Cover = 150 kg/m^2

- Height of the building = 7 floors each 3 m height

- Beam width = 25 cm (as shown in figure)

* Distributed load on beam from slabs in a net sketch.

* For slabs S1, S2, S3, S4, S5, S6 give full details of concrete thickness and reinforcements
   details.

* For beam on axis (C - C) between axes 1 & 5. Give full details of section dimensions and
   reinforcement's details.

* For column C1 & C2 & C3. Give full details of section dimensions and reinforcements
   details and draw Distributed load on column from slabs in a net sketch.