

AmApiANo Structures

“I am Happy I Know.”

Critical Thinking ability, Knowledge fueled Confidence alongside Steeze as Structural Engineers propel Our being Outstanding from most. No Cap.

The Happiness that comes with Understanding Structural behavior and supervising projects from start to end is second (first being paid full fees 😊).

We must, however, all stay on top of our game and remain reservoirs of ingenious solutions. The cultures of Continuous Professional Development, research, peer review amongst others must be widely embraced.

How about some simple questions from BS 8110:97 to “mix” things up?

Q1. What is Poisson ratio, its importance to structural engineering, and its value for concrete used during Linear Elastic Analysis?

Q2. What is the maximum allowable rebar spacing in a column whose design is dictated primarily by bending?

Q3. When considering Linear Elastic analysis, what are the methods for computing Relative Member Stiffness?

Q4. What is the maximum steel percentage for “Horizontally” Cast Columns?

Q5. When does it become necessary to have containment links for rebars in walls?

Answers/Code References are given below:

A1) 2.4.2.4 **A2)** 3.8.6 & 3.12.11.2 to 3.12.11.2.4 **A3)** 2.5.2 **A4)** 3.12.6.2 **A5)** 3.12.7.5

How did it go?

Irrespective of the result, Learning remains an Ocean without a Coast.

No Structure Has Ever Collapsed Because Of What It Was Designed Against but What it Wasn't.