

CE 414

Midterm review and important

- You have to answer two questions out of three.
- Each question has a and b part. a part is math problem and b part is theory question.
- Math problems will be straight forward like class lecture, only numbers will be changed.
- Theory questions will be short answered and direct question based on class lecture.

Syllabus for midterm: Lecture 1 to Lecture 6

Midterm information:

Exam time: 1 hour

Type: Physical Exam

Total marks: 25

To be answered: 2 Math + 2 short theory question

Schedule: To be announced

Important Math:

First concept (Example 1.1, Lecture 1, slide 17-18)

Third concept (Example 1.4, Lecture 2, slide 18-22)

Example 4.4 (Lecture 5, slide 13-17, use only solution method at slide 17)

Example 5.3 (Lecture 6, slide 14-16)

Important Theories:

Bonded and unbonded tendon (Lecture 1, slide 8), stages of loading (Lecture 1, slide 9), full, partial and limited prestressing (Lecture 2, slide 13), Devices of post-tensioning (Lecture 3, slide 16), Loss due to creep of concrete (Lecture 4, slide 11, only to write 5-6 lines in exam)

Notes

Next week, you have 2 review classes online for midterm. After the review classes, if required I will arrange physical review classes as per students' needs.