

EXAM #4: Statics & Mechanics of Materials

Problems

Tuesday, March 14, Exam 4a, Chapter 10

Chap 10

Problem #1 - Torque Diagrams, Shear Stress in Circular Shafts 3, 5, 15

Chap 10

Problem #2 - Power, Angle of Twist 26, 37, 38, 39

Chap 10

Problem #3 - Statically Indeterminate Torque loading, 63, 67, 75

Wednesday, March 15, Exam 4b, Chapters 6 & 11

Chap 11

Problem #4 - Shear and Bending Moment Diagrams 1, 5, 10, 30

Chap 6 & 11

Problem #5 – Moments of Inertia, Flexure Formula
83, 92 (Ch.6)
49, 54, 95 (Ch.11)