Anshuman Agrawal +18CH10071 Q.36) transmission = 0.98 Sample thickness = 200 mm I'2 Io emp (-Bl) I'= 0.98 Io, l= 200 mm 0.98 K = 12 enp (- Bx 20cm) ln(0.98) -- Bx20 ) B = -0.02 = 200.001 cm 4 Absorption coefficient Q. 24) Magnetic field strength = H=2×10 Alm. E, 2 1.0 30 Sunday

Sunrise - 04-54 A.M. MONDAY 25) density = 8.9 g/cm3, atomic weight = 58-719/med a) saturation magnetization given by = 64 1/8N 8.9 x 6.023 x 10 magnetization = 9.27x10 x 9.13x10 x 10 saturation = 8.5 x10 A/m. 5) saturation flux density = 16 Ms & 40=1.257 X10 H/m Saturation flundersity = 1.257 x 10 x 8.5 x 10 = 1.064 tesla.