ROSE-HULMAN INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering

ES 204

Example Problem - Le 02

- **11.48** Collar A starts from rest at t=0 and moves upward with a constant acceleration of 3.6 in/s². Knowing that collar B moves downward with a constant velocity of 16 in/s, determine:
 - (a) the time at which the velocity of block C is zero,
 - (b) the corresponding position of block C.

(taken from Vector Mechanics for Engineers, 5th Edition by Beer & Johnston)

