

ENGINEERING MECHANICS BAA1113

QUIZ 3

by

*Dr Nurul Nadrah Aqilah bt Tukimat
Faculty of Civil Engineering & Earth Resources
nadrah@ump.edu.my*

QUIZ 3 (CO 3)

The 10 kg block has an initial velocity of 20 m/s on the rough plane with coefficient of kinetic friction is 0.3 as shown in Figure 1 below:

- a) Determine the final velocity of the block when $t = 3\text{s}$ *(10 marks)*
- b) Determine the distance of the block when $t = 3\text{s}$ *(5 marks)*

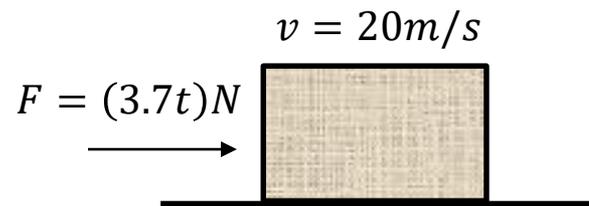


Figure 1