

# PHYSICAL SCIENCES P.1

# SCOPE

# GRADE 12

## 2024

## FINAL EXAM



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA



mass  $1.25 \text{ kg}$  is connected to another crate,  $Q$ , of mass  $2 \text{ kg}$  by a light string. The two crates are placed on a rough horizontal surface. A force  $F$  of magnitude  $7.5 \text{ N}$ , acting at angle  $\theta$  to the horizontal, is applied on shown in the diagram below.

accelerate at  $0.1 \text{ m s}^{-2}$  to the right.



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