

G11 PHYSICAL SCIENCE PAPER 1 REVISION

QUESTION 2 (Start on a new page.)

Three forces, **P**, **Q** and **R**, of magnitudes 800N, 200N and 600N respectively, act on a point **O** in the directions shown in the diagram below.

The forces are NOT drawn to scale.



Determine the magnitude and direction of the resultant force by
CALCULATION

(8)
[8]

QUESTION 3 (Start on a new page.)

A constant force, **F**, pulls a 35kg block at a constant speed over a rough horizontal surface, **AB**, as shown in the diagram below. The coefficient of kinetic friction (μ_k) between the block and the surface is 0,4.



3.1 Draw a labelled free-body diagram showing ALL the forces acting on the block.

(4)

3.2 State Newton's first law of motion in words.

(2)

Calculate the magnitude of the:

3.3 Force **F**

(6)

Physical Science Paper 1

Rosina Ehmann



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design of a state-feedback control to evaluate the performance of the speed control of DC motor for different applications. The. Precision Speed Control of A DC Motor Using Fuzzy Logic ... Precision Speed Control of A DC Motor Using Fuzzy Logic Controller Optimized by ... Universiti Teknologi Malaysia, ACKNOWLEDGMENT Johor, Malaysia, in 2011. He ... DC Motor Control | Automation & Control Engineering Forum Jun 20, 2022 — I have a 1 HP DC motor that I'm currently manually controlling using a Dayton 1F792 DC Speed Control unit. I want to automate the following ... Fats That Heal, Fats That Kill: The Complete ... Books on diet only scratch the surface compared to Udo's Fats that Heal Fats that Kill. ... fats: hydrologized fat contained in shortning. By the end of this book ... Udo Erasmus - Fats That Heal, Fats That Kill Books on diet only scratch the surface compared to Udo's Fats that Heal Fats that Kill. ... fats: hydrologized fat contained in shortning. By the end of this book ... Fats That Heal, Fats That Kill: The Complete Guide to ... If vinegars are made faster than burned, enzymes hook them end to end to make excess cholesterol and SFAs. EXCESS VINEGARS MORE TOXIC THAN DIETARY FATS. Fat ... Fats that Heal, Fats that Kill: The Complete Guide to Fats, Oils Contents ; Hidden Junk Fats and Fat Substitutes. 249 ; New Research New Fats Fat Finding Missions Breakthroughs Applications. 251 ; Virgin Olive Oils Unrefined ... Fats That Heal Fats That Kill - Berkeley Fats That Heal Fats That Kill. Fats That Heal Fats That Kill. Product Image. Product Description. Erasmus. Growing Standard: Lhasa Karnak. In stock! Usually ... The Complete Guide to Fats, Oils, Cholesterol and Human ... FATS THAT HEAL, FATS THAT KILL : The Complete Guide to Fats, Oils, Cholesterol and Human Health. Vancouver: Alive Books, 1993. FATS That HEAL, FATS That KILL This classic reference offered ground-breaking insight into the role of fats and our health. More health problems come from damaged oils than any other part ... Fats that Kill, Fats that Heal by Udo Erasmus Fats That Kill, Fats That Heal is one of the few books for the lay public on ... fat butter from raw milk as Dr. Price did. Hemp oil itself has to go through ...