

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)

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S Ashworth



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Physical Science Mr. Rohit Manglik, 2024-07-15 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels Physics Handbook & Study Guide Grade 11-12 IEB Kevin Smith, 2024-02-01 A comprehensive summary of Grade 11 12 Physics Simple logical summaries with example exam questions and work through solutions The book covers the fundamentals of Grade 11 12 Physics and complements the material in any class text **X-kit Exam 2004 Physical Science**, 2005 *X-kit Fet G11 Phys Science Chemist* Clive Long, 2010 *X-kit Fet G11 Phys Science Physics* Long, C, 2009 *Resources in Education*, 1999-10 *X-kit Fet G11 Life Sciences* Clitheroe, F, 2010

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Biology Education and Research in a Changing Planet Esther Gnanamalar Sarojini Daniel, 2015-08-17 This book presents selected conference proceedings from the 25th Biennial Asian Association for Biology Education Conference It clarifies the differences between the structure of biology education for educators and researchers It solves open problems by creating a bridge between biological research and its application in education and the sustainable development of communities The book's first topic is Biology Education in an X Y Z World which provides ideas for how biology can be taught in innovative ways The second topic The Endangered Planet How can Biology Education Help discusses how humans depend on other species for survival and how they have the power to cause or to prevent extinctions The third and final topic Research in Biology encompasses the growing wealth of biological information resulting from scientific research especially in universities

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Juvenile Delinquency (Indians) United States. Congress. Senate. Committee on the Judiciary. Subcommittee to Investigate Juvenile Delinquency, 1954 Hearings survey all aspects of North Dakota Indians living conditions Oct 11 hearing was held in Fort Yates N Dak Oct 12 hearing was held in New Town N Dak Oct 13 hearing was held in Rolla N Dak and Oct 14 hearing was held in Bismarck N Dak **Canadian Education and Research Digest** ,1969 *Co-Teaching for English Learners* Andrea Honigsfeld, Maria G. Dove, 2020-09-01 This edited volume examines co teaching and integrated service delivery for English learners ELs Through research and documentary accounts it explores the collaborative instructional cycle co planning co instruction co assessment and reflection practices of co taught programs for ELs This volume presents current classroom based practitioner oriented research related to all aspects of co taught programs for ELs and offers authentic evidence and practical recommendations that yield positive outcomes for this student population *Research in Education* ,1971 **Hearings** United States. Congress. Senate. Committee on the Judiciary, 1955

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