



basic education

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GRADE 12

MATHEMATICAL LITERACY P1

NOVEMBER 2012

FINAL MEMORANDUM

MARKS: 150

Symbol	Explanation
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG	Reading from a table/Reading from a graph
SF	Correct substitution in a formula
O	Opinion/Example
P	Penalty, e.g. for no units, incorrect rounding off etc.
R	Rounding off

PLEASE NOTE:

1. If a candidate deletes a solution to a question without providing another solution, then the deleted solution must be marked.
2. If a candidate provides more than one solution to a question, then only the first solution must be marked and a line drawn through any other solutions to the question.

This memorandum consists of 15 pages.

EXTERNAL MODERATOR
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15 NOVEMBER 2012

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15 NOVEMBER 2012

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The Report: Mongolia 2014 Oxford Business Group, 2014-05-23 Since the country's transition from communism two decades ago the Mongolian economy has experienced rapid liberalisation. Sectors including ICT and insurance are expanding quickly and while the mining sector has been responsible for making Mongolia a rising star in the global economy there is great potential for further growth in all economic sectors. Politically stable and rich with natural resources Mongolia has emerged as a bellwether for investor confidence in recent years. The 2013 commercialisation of the Oyu Tolgoi gold and copper mine is helping to diversify Mongolia's mineral exports away from coal while the government is working to improve the investment environment by adopting the new Investment Law among other measures. Challenges do exist however from the long harsh winters that slow construction to the difficulty of connecting the sparsely populated nation through ICT and transport systems. In response the government has partnered with the private sector on a number of fronts in order to promote economic diversification and competitiveness.

MIMO Processing for 4G and Beyond Mário Marques da Silva, Francisco A. Monteiro, 2016-04-19 MIMO Processing for 4G and Beyond Fundamentals and Evolution offers a cutting edge look at multiple input multiple output MIMO signal processing namely its detection in both time and frequency domains and precoding. It examines its integration with OFDM UWB and CDMA along with the impact of these combinations at the system level. Massive MIMO.

Empowered Educators in Canada Carol Campbell, Ken Zeichner, Ann Lieberman, Pamela Osmond-Johnson, 2017-03-13 BEST PRACTICES FROM CANADA'S HIGH PERFORMING SCHOOL SYSTEMS. *Empowered Educators in Canada* is one volume in a series that explores how high performing educational systems from around the world achieve strong results. The anchor book *Empowered Educators: How High Performing Systems Shape Teaching Quality Around the World* is written by Linda Darling Hammond and colleagues with contributions from the authors of this volume. *Empowered Educators in Canada* details the core commonalities that exist across Canada with special emphasis on the localized nature of the systems, a hallmark of Canadian education. Canada boasts a highly educated population and the provinces/territories truly value education as evidenced by the significant proportion of public funds allocated to schooling. Operated by the provinces and territories, participation in kindergarten, primary and secondary education is close to 100% across the nation. In addition to offering traditional academics, secondary education includes opportunities for students to attend technical and vocational programs. To demonstrate exemplary education systems the authors examine two top performing jurisdictions, Alberta and Ontario, which have developed strong supports for teacher development. Canadian teachers are highly qualified and salary scales in all jurisdictions are typically based on a teacher's level of education and years of experience. While Canada has enjoyed much educational success, the education of First Nations students has historically been one of the country's more controversial and contentious issues. Overall, Canada is a country that is proud of its education system and places a high value on and participation in publicly funded education.

Asiakirjat Finland.

Eduskunta,2012 **Department of Defense Appropriations for Fiscal Year 2012** United States. Congress. Senate. Committee on Appropriations. Subcommittee on Defense,2012 *EU Electricity Trade Law* Petri Mäntysaari,2015-05-06

This book aims to describe the mechanisms of the internal wholesale electricity market in terms of the legal tools and practices used by electricity producers the most important market participants In this regard the focus is on Northwestern Europe Because of the book s functional perspective it is not limited to the external regulation of electricity markets at the EU level and also describes the business models and practices employed by electricity producers Both the physical and financial marketplaces are examined and topics including electricity supply balancing transmission and derivatives are covered The target for the completion of the EU s internal electricity market was 2014 The internal wholesale electricity market is very important not only for electricity producers suppliers and major end consumers but also for network operators marketplace operators electricity technology firms investment firms and market regulators *Made in Sweden* Alf Björnberg,Thomas Bossius,2016-12-08

Made in Sweden Studies in Popular Music serves as a comprehensive and rigorous introduction to the history sociology and musicology of twentieth century Swedish popular music The volume consists of essays by leading scholars of Swedish popular music and covers the major figures styles and social contexts of pop music in Swedish Although the vast majority of the contributors are Swedish the essays are expressly written for an international English speaking audience No knowledge of Swedish music or culture will be assumed Each essay provides adequate context so readers understand why the figure or genre under discussion is of lasting significance to Swedish popular music each section features a brief introduction by the volume editors The book presents a general description of the history and background of Swedish popular music followed by essays that are organized into thematic sections The Historical Development of the Swedish Popular Music Mainstream The Swedishness of Swedish Popular Music Genres Professionalization and Diversification and Swedish Artist Personas Contributors Jonas Björlesjö Alf Björnberg Thomas Bossius Peter Dahlin Olle Edström Karin L Eriksson Rasmus Fleischer Sverker Hultén Cavallius Lars Lilliestam Ulf Lindberg Morten Michelsen Susanna Nordström Marita Rhedin Henrik Smith Sivertsen Ann Werner Kajsa Widegren *Olof Palme, Sweden, and the Vietnam War* Lubna Z. Qureshi,2023-06-16

In 1972 Swedish Prime Minister Olof Palme s fierce condemnation of the Christmas Bombings of the North Vietnamese cities of Hanoi and Haiphong led to a breakdown in diplomatic relations at the highest level between Sweden and the United States The author argues that Sweden s official position of neutrality allowed its Prime Minister greater independence of action on the international stage Palme opposed the American military intervention in Southeast Asia for its violation of Vietnamese self determination Superpower aggression against one small country threatened all others including Palme s own At the same time the diplomatic freeze did not substantially damage Swedish American relations In spite of the tension with the Nixon White House Stockholm and its embassy in Washington maintained excellent relations with Congress with many ordinary Americans and even with Nixon s own State Department

Populism, Democracy, and the Humanities Iulian Cananau, Peder Thalén, 2022-03-02 The contributors to this volume reflect on the phenomenon and concept of populism in relation to democracy and the humanities from the vantage points of various disciplinary backgrounds philosophy history of ideas media and communication journalism political science gender studies organization science education theory popular culture and literary studies While the study of populism seems to have become a subfield within political science this topic has been rarely explored by scholars in the humanities Rather than contribute to the already established area of populism studies in social and political sciences our authors take a more open and exploratory stance through which they attempt to open up new fields and directions for inquiry from an interdisciplinary humanistic perspective Struggling with problems of relevance impact and visibility the humanities have a special responsibility to address this topic not only because it is relevant for their multidisciplinary scope but also because the humanities stand for the values of thoughtfulness in depth reflection critical thinking weighty and thorough analysis The humanities very existence constitutes a guaranty against what is often described as populism Skulden : Eurokrisen sedd från Aten Kajsa Ekis Ekman, 2013-08-01 I Europa h rjar den ekonomiska krisen och i centrum st r Grekland Fattigdomen och arbetsl sheten har kat dramatiskt och ungdomarna l mnar landet i massor r det sant som medierna skriver att grekerna arbetar f r lite lever p l n och har f r stor offentlig sektor Kajsa Ekis Ekman reste till Aten och fann en helt annan verklighet Hon andas t rgas under generalstrejken bevittnar korruptionen bor hemma hos l rare som f r kopiera upp stenciler n r staten inte har r d med skolb cker dricker te med Papandreou och talar med v nner som pendlar mellan hopp och f rtvivlan allt eftersom det politiska spelet byter inriktning Skulden r en personlig skildring av hur en samh llskris p verkar m nniskor p djupet Kajsa Ekis Ekman r kulturjournalist och f dd 1980 Hennes debut Varat och varan Prostitution surrogatm draskap och den delade m nniskan blev en av de mest omdebatterade b ckerna n r den kom ut h sten 2010

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