

KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011 MAY INTAKE SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF COMMERCE BMS 102: MANAGEMENT MATHEMATICS II

DATE: Thursday, 28th July, 2011

TIME: 8.00 a.m. - 10.00 a.m.

INSTRUCTIONS:

Answers question ONE and any TWO other questions.

Question 1

- a) Define the following terms as used in probability
 - Sample space
 - ii) Mutually exclusive events
 - iii) Independent events

(3 marks)

- b) A bag contains 4 red and 3 blue balls. 2 draws are made. Find the probability that draw 1 gives 2 Red balls and draw 2 gives 2 Blue balls when the balls are replaced at draw 1 (6 marks)
- c) State the characteristics of linear programming.

(4 marks)

d) Using Matrix method solve the following equations:

$$x + 2y + 3z = 210$$

 $2x + 3y + 2z = 280$

3x + 3y + 4z = 350

(9 marks)

Abma Past Papers And Answers

Judith L. Green, Judith Green, Gregory Camilli, Patricia B. Elmore, Patricia Elmore

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Salesmen and Contracts Frederick Bradford Ellsworth, 1906 Iron Age ,1897 **Steam Plant Calculations** Manual, Second Edition, Revised and Expanded Ganapathy, 1993-09-17 Maintaining a question and answer format this second edition provides simplified means of solving nearly 200 practical problems that confront engineers involved in the planning design operation and maintenance of steam plant systems Calculations pertaining to emissions boiler efficiency circulation and heat transfer equipment design and performance are provided Solutions to 70 new problems are featured in Sexual Activity and Contraceptive Practices Among Teenagers in the United States, 1988 and 1995 this edition Joyce C. Abma, 2001 Boiler Maker ,1927 Power and the Engineer, 1891 Aviation Week ,1957-10 *Multiple* Perspectives on Problem Solving and Learning in the Digital Age Dirk Ifenthaler, J. Michael Spector, Kinshuk, Pedro Isaias, Demetrios G. Sampson, 2010-11-13 This edited volume with selected expanded papers from CELDA Cognition and Exploratory Learning in the Digital Age 2009 http www celda conf org addresses the main issues concerned with problem solving evolving learning processes innovative pedagogies and technology based educational applications in the digital age There have been advances in both cognitive psychology and computing that have affected the educational arena The convergence of these two disciplines is increasing at a fast pace and affecting academia and professional practice in many ways Paradigms such as just in time learning constructivism student centered learning and collaborative approaches have emerged and are being supported by technological advancements such as simulations virtual reality and multi agents systems These developments have created both opportunities and areas of serious concerns This volume aims to cover both technological as well as pedagogical issues related to these developments Handbook of Complementary Methods in Education Research Judith L. Green, Judith Green, Gregory Camilli, Patricia B. Elmore, Patricia Elmore, 2012-01-04 Published for the American Educational Research Association by Routledge The Handbook of Complementary Methods in Education Research is a successor volume to AERA's earlier and highly acclaimed editions of Complementary Methods for Research in Education More than any book to date including its predecessors this new volume brings together the wide range of research methods used to study education and makes the logic of inquiry for each method clear and accessible Each method is described in detail including its history its research design the guestions that it addresses ways of using the method and ways of analyzing and reporting outcomes Key features of this indispensable book include the following Foundations Section Part I is unique among research books Its three chapters examine common philosophical epistemological and ethical issues facing researchers from all traditions and frames ways of understanding the similarities and differences among traditions Together they provide a tripartite lens through which to view and compare all research methods Comprehensive Coverage Part II the heart of the book presents 35 chapters on research design and analysis Each chapter includes a brief historical overview of the research tradition examines the questions that it addresses and presents an example of how the approach

can be used Programs of Research Part III examines how research programs connected to eight specific lines of inquiry have evolved over time These chapters examine phenomena such as classroom interaction language research issues of race culture and difference policy analysis program evaluation student learning and teacher education Complementary Methods As the title suggests a central mission of this book is to explore the compatibility of different research methods Which methods can be productively brought together and for what purposes How and on what scale can they be made compatible and what phenomena are they best suited to explore Flexibility The chapters in Parts II and III are largely independent Therefore selected portions of the book can be used in courses devoted to specific research methods and perspectives or to particular areas of education Likewise established researchers interested in acquiring new techniques or greater expertise in a given methodology will find this an indispensable reference volume This handbook is appropriate for any of the following audiences faculty teaching and graduate students studying education research education researchers and other scholars seeking an accessible overview of state of the art knowledge about specific methods policy analysts and other professionals needing to better understand research methods and academic and research libraries serving these audiences **Single-Parent Families** Annice Yarber, Paul M. Sharp, 2010-02-26 A groundbreaking collection of writings on the growing phenomenon of single parent families in the United States and how it impacts society as a whole Focus on Single Parent Families Past Present and Future brings together in one volume a range of cutting edge research articles and essays on what has become the most dynamic change in family structure in U S history It is the only resource to make the most insightful and important work being done on the single parent family phenomena accessible to general readers Focus on Single Parent Families helps readers go beyond the stereotypes and look closely at the complexity of families with one parent and consider their place in society It encompasses the wide variety of households with a single parent a family structure that promises to continue to grow and diversify Throughout the book gauges the impact of the increasing number of single parent families on the nation as a whole particularly in regard to policies concerning family welfare children's services and health care schools and other essential social institutions

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Table of Contents Abma Past Papers And Answers

- 1. Understanding the eBook Abma Past Papers And Answers
 - The Rise of Digital Reading Abma Past Papers And Answers
 - o Advantages of eBooks Over Traditional Books
- 2. Identifying Abma Past Papers And Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Abma Past Papers And Answers
 - User-Friendly Interface

- 4. Exploring eBook Recommendations from Abma Past Papers And Answers
 - Personalized Recommendations
 - Abma Past Papers And Answers User Reviews and Ratings
 - Abma Past Papers And Answers and Bestseller Lists
- 5. Accessing Abma Past Papers And Answers Free and Paid eBooks
 - Abma Past Papers And Answers Public Domain eBooks
 - Abma Past Papers And Answers eBook Subscription Services
 - Abma Past Papers And Answers Budget-Friendly Options
- 6. Navigating Abma Past Papers And Answers eBook Formats
 - o ePub, PDF, MOBI, and More
 - Abma Past Papers And Answers Compatibility with Devices
 - Abma Past Papers And Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Abma Past Papers And Answers
 - Highlighting and Note-Taking Abma Past Papers And Answers
 - Interactive Elements Abma Past Papers And Answers
- 8. Staying Engaged with Abma Past Papers And Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Abma Past Papers And Answers
- 9. Balancing eBooks and Physical Books Abma Past Papers And Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Abma Past Papers And Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Abma Past Papers And Answers
 - Setting Reading Goals Abma Past Papers And Answers
 - Carving Out Dedicated Reading Time

- 12. Sourcing Reliable Information of Abma Past Papers And Answers
 - Fact-Checking eBook Content of Abma Past Papers And Answers
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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