

P.1 MATHEMATICAL LITERACY



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MEMO-2024

G.12

NATIONAL
SENIOR CERTIFICATE

QUESTION 1

1.1

Each person who is entitled to R100 000. Your special award will be held at a special event, starting at 18:00.

TABLE 1: A table showing some of the budgeted expenses for the party.

TABLE 1: BUDGETED EXPENSES FOR THE PARTY	
Cost of the venue	R150 000 (one-time fee for the day)
Food and drink	R120 000 (per person, per hour for the day)
Decorations	R80 000
Entertainment	R100 000
Transportation	R60 000 (per person, per hour for the day)
Other	R40 000 (one-time fee for the day)
Total	R550 000 (one-time fee for the day)

Use TABLE 1 and the information above to answer the questions that follow.

1.1.1 The table below represents the cost of food and drink.

TABLE 1.1: COST OF FOOD AND DRINK FOR THE PARTY										
Number of people	1	2	3	4	5	6	7	8	9	10
Cost (R)	4 000	8 000	12 000	16 000	20 000	24 000	28 000	32 000	36 000	40 000

QUESTION 1.2



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SSC General Intelligence & Reasoning Chapter Wise Note Book | Complete Preparation Guide For CGL/CPO/CHSL/ GD/MTS EduGorilla Prep Experts, EduGorilla Community Pvt. Ltd., 2022-10-01 Best Selling Topic Wise Book for SSC General Intelligence Reasoning Exam with objective type questions as per the latest syllabus Increase your chances of selection by 16X SSC English Notes Book comes with well structured Content Chapter wise Practice Tests for your self evaluation Clear exam with good grades using thoroughly Researched Content by experts **Theory and Practice of Lesson Study in Mathematics** Rongjin Huang, Akihiko Takahashi, João Pedro da Ponte, 2019-05-28 This book brings together and builds on the current research efforts on adaptation conceptualization and theorization of Lesson Study LS It synthesizes and illustrates major perspectives for theorizing LS and enriches the conceptualization of LS by interpreting the activity as it is used in Japan and China from historical and cultural perspectives Presenting the practices and theories of LS with practicing teachers and prospective teachers in more than 10 countries it enables the reader to take a comparative perspective Finally the book presents and discusses studies on key aspects of LS such as lesson planning post lesson discussion guiding theories connection between research and practice and upscaling Lesson Study which has originated in Asia as a powerful effective professional development model has spread globally Although the positive effects of lesson study on teacher learning student learning and curriculum reforms have been widely documented conceptualization of and research on LS have just begun to emerge This book including 38 chapters contributed by 90 scholars from 21 countries presents a truly international collaboration on research on and adaptation of LS and significantly advances the development of knowledge about this process Chapter 15 How Variance and Invariance Can Inform Teachers Enactment of Mathematics Lessons of this book is available open access under a CC BY 4.0 license at link.springer.com **Theory and Practice of Lesson Study in Mathematics An International Perspective** shows that the power of Lesson Study to transform the role of teachers in classroom research cannot be explained by a simple replication model Here we see Lesson Study being successful internationally when its key principles and practices are taken seriously and are adapted to meet local issues and challenges Max Stephens Senior research fellow at The University of Melbourne It works Instruction improves learning improves Wide scale Enduring Deep impact Lesson study has it When something works as well as lesson study does while alternative systems for improving instruction fail or only succeed on small scale or evaporate as quickly as they show promise it is time to understand how and why lesson study works This volume brings the research on lesson study together from around the world Here is what we already know and here is the way forward for research and practice informed by research It is time to wake up and pay attention to what has worked so well on wide scale for so long Phil Dara A leading author of the Common Core State Standards of Mathematics in the U S **Learning Environment and Design** Will W.K. Ma, Kar-wai Tong, Wing Bo Anna Tso, 2020-11-07 This special edition of the Educational Communications and Technology Yearbook Series bears a

title of Learning Environment and Design Current and Future Impact It provides a timely forum to share theoretical and practical insights in both the local and international contexts in response to the fact that new media and technologies have infiltrated and shaped the learning environments from mere physical spaces into multifaceted possibilities impacting the ways individuals teach and learn Designs of learning environments to harness technologies appropriately to engage learners better as well as the roles of learners and educators play in this changing learning environment are examples of important global issues in the discourse of the contemporary educational developments Having gathered a diverse collection of research papers written by scholars and practitioners in the fields of education communication and humanities across Asia Australasia Europe and the United States this book gives readers a cross cultural background on the developments of technological designs and educational practices investigating areas in redefining of quality education online learning and blended learning new media in education gamification AI and innovative learning technologies Aimed to catalyze knowledge exchanges and provide fresh views on interdisciplinary research the book sheds light on how emerging technologies can be adapted in the fields of education and communication so as to facilitate the current and future designs of learning environments to improve learners performances **English Medium Instruction in Secondary Education** Jack

Pun,2024-04-19 Jack Pun presents best practices in pedagogy and teaching to facilitate effective content subject learning at the secondary school level Increasingly parents are sending their children to English Medium Instruction EMI secondary schools in their home countries to prepare them for full immersion in EMI in English native speaking countries The book explores the teaching and learning processes in EMI senior secondary science classrooms based in thirty secondary schools in Hong Kong Conducting analyses of classroom teacher and student perception data the author discusses the issues of teaching science through the medium of English in secondary schools the implications and applications for professional development of science teachers and other content subject teachers and suggests strategies for teaching science in different EMI contexts This volume is highly relevant to scholars in the field of educational linguistics particularly in English language teaching content based instruction content and language integrated learning and English as a medium of instruction It is also useful to education policymakers school teachers research students English and education majors

ICICKM2014-Proceedings of the 11th International Conference on Intellectual Capital, Knowledge Management and Organisational Learning Jim Rooney,2014-10-17 These proceedings represent the work of researchers participating in the 11th International Conference on Intellectual Capital Knowledge Management Organisational Learning ICICKM 2014 which this year is being held at The University of Sydney Business School The University of Sydney Australia The Conference Co Chairs are Dr John Dumay from Macquarie University Sydney Australia and Dr Gary Oliver from the University of Sydney Australia The conference will be opened with a keynote by Goran Roos Advanced Manufacturing Council Adelaide Australia who will address the topic of Intellectual capital in Australia Economic development in a high cost economy The second day

will be opened with a from James Guthrie University of Sydney Australia on the topic of Intellectual Capital and the Public Sector Research Past Present and Future

Medical and Surgical Treatment of Parathyroid Diseases Brendan C. Stack, Jr., Donald L. Bodenner, 2016-12-15 Medical and Surgical Treatment of Parathyroid Diseases is an accessible and user friendly guide addressing the key points of parathyroid diseases using case studies as well as hundreds of high quality images and illustrations Written and edited by respected leaders in the field of parathyroid surgery this book aids in the comprehension of innovative concepts and focuses on the latest in clinical research Written for otolaryngologists and oncologists at various stages of experience Medical and Surgical Treatment of Parathyroid Diseases includes chapters dedicated to parathyroid anatomy physiology and embryology medical therapy for parathyroid disease indications and pharmacotherapy diagnostic imaging surgical treatments and special topics such as health services and healthcare economics related to parathyroid surgery

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Real World Psychology Catherine A. Sanderson, Karen R. Huffman, 2024-11-13 A comprehensive college level introduction to the field of psychology Real World Psychology Applications of Psychological Science provides a well balanced survey of the field with emphasis on scientific thinking and practical applications of psychological science that can expand enhance and change students experience of the world around them Every chapter engages students through illustrative examples and cases thought provoking questions and real psychological research Updated with recent research that underscores the importance and power of psychology in everyday life the fourth edition of Real World Psychology invites curiosity in a Why focused framework of special features Why Scientific Thinking Matters develops scientific thinking skills through examination of a hot topic or common belief and the research supporting or disproving different perspectives Why DEI Matters explores important topics in diversity equity and inclusion highlighting current research and its applications in effecting a more equitable society and Why Positive Psychology Matters demonstrates how psychological science helps identify the strengths and assets that contribute to health and a flourishing life Throughout this edition the authors pay careful and deliberate attention to issues of diversity equity and inclusion to ensure the representation of multiple perspectives and experiences so that all readers can find respect and a sense of belonging AN INTERACTIVE MULTIMEDIA LEARNING EXPERIENCE This textbook includes access to an interactive multimedia e text Icons throughout the print book signal corresponding digital content in the e text Videos and Animations Real World Psychology integrates abundant video content developed to complement the text and engage readers more deeply with the fascinating field of psychological science Chapter Introduction Videos feature author Catherine

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Young Adult Literature in the Composition Classroom Tamara Girardi, Abigail G. Scheg, 2018-08-27 Young adult literature holds an exceptional place in modern American popular culture. Accessible to readers of all levels, it captures a diverse audience and tends to adapt to the big screen in an exciting way. With its wide readership, YAL sparks interesting discussions inside and outside of the classroom. This collection of new essays examines how YAL has impacted college composition courses, primarily focusing on the first year. Contributors discuss popular YA stories, their educational potential, and possibilities for classroom discussion and exercise.

Diagnostic Immunohistochemistry E-Book David J Dabbs, 2021-11-23 Through five well-regarded editions, Dr. David Dabbs' *Diagnostic Immunohistochemistry* has set the standard for concise, complete guidance on the use and interpretation of immunohistochemical stains. The 6th Edition continues this tradition of excellence, bringing you fully up to date with all aspects of this dynamic field. Easy to use and understand, this practical resource distills the large body of information on immunohistochemistry into a single, convenient reference that is invaluable for today's surgical pathologists. Covers all aspects of the field with an emphasis on the role of genomics in diagnosis and theranostic applications that will better inform treatment options. Includes the latest grading schemes in several organs along with new antibodies to cover more genomic immunohistochemistry applications. Contains current biomarker guidelines and up-to-date references throughout. Offers a systematic approach to the diagnostic entities of each organ system, including detailed differential diagnoses, diagnostic algorithms, and immunohistograms that depict immunostaining patterns of tumors. Contains numerous charts and tables as well as 1,500 high-quality color histologic images that assist in making a definitive diagnosis. Discusses diagnostic pitfalls through immunohistologic differential diagnosis wherever appropriate so you can provide the most accurate diagnoses. Covers many more antigens than other texts and discusses antibody specifications with tables that convey information on uses, clones, vendors, sources, antibody titers, and types of antigen retrieval. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of

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