



**GAUTENG PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA

# **JUNE EXAMINATION GRADE 12**

**2024**

## **MARKING GUIDELINES**

**LIFE SCIENCES**

**14 pages**

# Life Sciences Paper Gauteng Province

**SA Dillow**



## **Life Sciences Paper Gauteng Province:**

A composite index of quality of life for the Gauteng city-region: a principal component analysis approach Talita Greyling, The improvement of the quality of life of all South Africans is high on the agenda at national The National Planning Commission 2012 and regional levels of government The Gauteng Planning Commission 2012 and it is therefore important to develop an instrument that can measure this multi dimensional concept The need therefore exists for a composite index of quality of life with the ability to both track the quality of life of people over time and compare it across different demographic and socio economic groups Such a measure could identify those demographic and socio economic groups with low levels of quality of life and also highlight dimensions that need to be prioritised in order to improve the wellbeing of people In South Africa there are a limited number of quality of life indices and measures of wellbeing Indices that measure wellbeing nationally include the Quality of Life Index of Moller and Schlemmer 1983 the Living Standard Measure LSM Index produced by the South African Audience Research Foundation SAARF 2013 the South African Development Index of the South African Institute of Race Relations 2011 and the Everyday Quality of Life Index Higgs 2007 The following indices measure wellbeing at a regional level the Quality of Metropolitan City Life in South Africa Index Naude et al 2009 the Non Economic Quality of Life Index at Sub National Levels Rossouw Naude 2008 and the Quality of Life Index of the Gauteng City Region Observatory GCRO 2011 Although these quality of life indices make distinctive contributions to the study field the focus of these studies is often to measure only objective or subjective quality of life or only economic or non economic quality of life rather than all of the above Furthermore many of the indices use equal weighting which does not necessarily reflect the priorities of the communities

Global Library and Information Science Ismail Abdullahi, 2017-11-07 This 2nd edition of the highly successful Global Library and Information Science presents an up to date review of international librarianship and library science through insightful and well written chapters contributed by experts and scholars from all regions of the world The role of public academic special school libraries as well as library and information science education are presented from the early development to the present time Its lively readable approach will help the reader to understand librarianship in Africa Asia Australia and New Zealand Europe Latin America and the Caribbean and North America Edited by Ismail Abdullahi Professor of Global Library and Information Science this book is a must read by library science students and teachers librarians and anyone interested in Global Librarianship

*Performance Through Learning* Carol Gorelick, Nick J. Milton, Kurt April, 2004 *Performance Through Learning* is a practical guide to the key issues surrounding knowledge management from a human resource perspective and provides incisive insights into developing a strategy linked to organizational learning The authors present a framework and model that practitioners within organizations can adapt to increase performance through learning using knowledge management tools The book is divided into two parts and includes An overview of theory Case studies and practitioner stories from a range of KM initiatives Tools and techniques for

implementing an effective KM strategy Written by a respected international author team the book provides an understanding of the theory that supports knowledge management in the current business environment Drawing upon real life examples across a variety of organizational settings from large global financial and professional services firms to multinational oil and mining companies to a small charity in the voluntary sector

**The Globalisation of Urban Governance** Helmut Philipp Aust, Anél du Plessis, 2018-12-07 The adoption of the Sustainable Development Goals SDGs by the UN General Assembly in 2015 represents the latest attempt by the international community to live up to the challenges of a planet that is out of control Sustainable Development Goal 11 envisages inclusive safe resilient and sustainable cities around the world by the year 2030 This globally agreed vision is part of a trend in international policy toward good urban governance and now awaits implementation Fourteen original contributions collectively examine how this global vision has been developed on a conceptual level how it plays out in various areas of global urban governance and how it is implemented in varying local contexts The overarching hypothesis presented herein is that SDG 11 proves that local governance is recognised as an autonomous yet interrelated part of the global pursuit of sustainable development The volume analyses three core questions How have the normative ideals set forth in SDG 11 been developed What are the meanings of the four sub goals of SDG 11 and how do these relate to each other What does SDG 11 imply for urban law and governance in the domestic context and how are local processes of urban governance internationalised The Globalisation of Urban Governance makes an important scholarly contribution by linking the narrative on globalisation of good urban governance in various social sciences with legal discourse It considers global governance and connects the existing debate about cities and their place in global governance with some of the most pertinent questions that lawyers face today

*Harnessing Biotechnology Tools for Product Development* Patrick Omoregie Isibor, Paul Akinniyi Akinduti, 2025-05-16 This comprehensive guide that explores the application of biotechnology in creating innovative products across various industries for sustainable development in Nigeria Africa and globally The book delves into the latest biotechnological techniques and tools including genetic engineering bioinformatics and synthetic biology highlighting their practical uses in pharmaceuticals agriculture environmental management and industrial processes It will give researchers practitioners and students a thorough understanding of how they can leverage biotechnology to drive product innovation improve efficiency and address global challenges Case studies and real world examples illustrate the potential and impact of biotechnology in modern product development if support Lists Provides an in depth understanding of the latest biotechnology tools and techniques Examines how biotechnology is used to address global issues like food security environmental sustainability and health Examples and case studies offer insights into successful product development using biotechnological methods

**Library & Information Science Abstracts**, 2004

*Education Reform and Innovation in Namibia* Teresa Squazzin, Mariana van Graan, 1999

*This Week in South Africa*, 1995

Annual Report South Africa. Department of Basic Education, 2016

**South African Journal of Science**, 2007

*Debates of the National Council of Provinces (Hansard)* South Africa Parliament (1994- ). National Council of Provinces,2001      **Breathing Life Into Fossils** Travis Rayne Pickering,Kathy Diane Schick,Nicholas Patrick Toth,2007

Taphonomy the study of the processes leading to the fossilization of organic remains is one of the most important avenues of inquiry in human origins research Breathing Life into Fossils is a major contribution to taphonomic studies in paleoanthropology and natural history This book emanates from a Stone Age Institute conference celebrating the life and career of naturalist Bob Brain a pioneer in bringing taphonomic perspectives to human evolutionary studies Contributions by leading researchers provide a state of the art look at the maturing field of taphonomy and the unique perspectives it provides to research into human origins This important volume reveals approaches taken to the study of bone accumulations at prehistoric sites in Africa Eurasia and America and provides fascinating insights into patterns produced by carnivores by hunter gatherers and by our human ancestors      **African Wild Life** ,2004      **The South African Mechanical Engineer** ,1995      **Annual report** South Africa. Department of Arts, Culture, Science, and Technology,1997      Knowledge for Sustainable Development Unesco,2002      Visiting Arts Southern Africa Regional Arts Profile: South Africa Tim Doling,1999

*A Current Bibliography on African Affairs* ,1962      Reporter ,2000      **Lithic Raw Material Variability and the Reduction of Short-term-use Implements** Harry Joseph Lerner,2007 Chipped stone tools are a truly dynamic medium of material culture From initial reduction to contemporary excavation lithic artifacts undergo continuous change The role of the properties of raw materials in determining rates of use wear accrual is poorly understood and has rarely been assessed quantitatively This study offers such quantification regarding four materials exploited for the production of short term use implements at the Late Archaic FA2 13 site located just outside the city of Farmington New Mexico Both experimental and archaeological use wear evidence was assessed in separate but related ways Digital image analysis of use wear invasiveness using ClemexVision PE and GIS analysis of use wear homogeneity using Idrisi Kilimanjaro yielded distinct but highly complementary results Direct testing of material properties of non archaeological samples using a Hysitron Triboindenter served to further clarify these findings in terms of the complex relationship between raw material surfacehardness and roughness The results of the present study show that there are significant differences between rates of wear accrual among the four materials Analysis of tools from FA2 13 indicates that while scraping activities likely did predominate it may also be feasible to generate more detailed assessments regarding the kinds of scraping activities that were undertaken and the respective intensities with which they were performed This increased insight can then be extrapolated for application to long term use technologies and their more complex life histories

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