



GRADE 9 NATURAL SCIENCES NOVEMBER EXAMINATION

SECTION A QUESTION 1

1.1 Various options are provided as answers to the following questions. Choose the correct answer and write **ONLY** the LETTER(A-D) next to the QUESTION NUMBER (1.1.1-1.1.10) on your answer sheet, for example 1.1.1 D.

1.1.1 If cells are added in parallel the total voltage will...

- A Increase
- B Decrease
- C Remain the same
- D Increase then decrease

1.1.2 Why do we use copper in our house's wiring?

- A Good insulator
- B Good and-cheap conductor
- C Good, but-expensive conductor
- D Good and-cheap insulator

1.1.3 The energy conversion that takes place in a cell...

- A chemical → electrical → kinetic
- B electrical → chemical → kinetic
- C chemical → electrical
- D chemical → kinetic

1.1.4 Koeberg is this type of power station

- A Coal
- B Hydroelectricity
- C Nuclear
- D Solar

1.1.5 An example of a wet cell

- A torch
- B radio
- C car battery
- D toys

1.1.6 Example of converting wasted energy to useful energy

- A Filament lightbulbs
- B Heating elements
- C Buses
- D Electrical motors

1.1.7 As the altitude increases the ... will decrease

- A Temperature
- B Mass
- C Density
- D Distance

1.1.8 Which of the following is NOT a greenhouse gas?

- A CH₄
- B water vapour
- C H₂O
- D carbon dioxide

1.1.9 The reason why thicker wires offer lower resistance is...

- A there is less space for protons to move
- B there is more space for the protons to move
- C there is less space for the electrons to move
- D there is more space for the electrons to move

1.1.10 Factor that affects the magnitude of gravitational force

- A Mass
- B Weight
- C Height
- D None of the above

(10x3)

1.2 Provide the correct TERM for the following descriptions. Write **ONLY** the correct

TERM next to the QUESTION NUMBER (1.2.1-1.2.7) on your answer sheet.

1.2.1 Solution that can conduct electricity

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Anitia Lubbe



Exam Paper Of Grd 9 Natural Science:

University of Texas Bulletin ,1917 *Catalogue of the University of Texas* University of Texas,1927 *The University of Texas* University of Texas,1928 **Translanguaging, Coloniality and Decolonial Cracks** Robyn Tyler,2023-01-13 In this linguistic ethnography of bilingual science learning in a South African high school the author connects microanalyses of classroom discourse to broader themes of de coloniality in education The book challenges the deficit narrative often used to characterise the capabilities of linguistically minoritised youth and explores the challenges and opportunities associated with leveraging students full semiotic repertoires in learning specific concepts The author examines the linguistic landscape of the school and the beliefs and attitudes of staff and students which produce both coloniality and cracks in the edifice of coloniality A critical translanguaging lens is applied to analyse multilingual and multimodal aspects of students science meaning making in a traditional classroom and a study group intervention Finally the book suggests implications for decolonial pedagogical translanguaging in Southern multilingual classrooms **Learning through assessment** Anita Lubbe,2021-12-31 This book aims to contribute to the discourse of learning through assessment within a self directed learning environment It adds to the scholarship of assessment and self directed learning within a face to face and online learning environment As part of the NWU Self Directed Learning Book Series this book is devoted to scholarship in the field of self directed learning focusing on ongoing and envisaged assessment practices for self directed learning through which learning within the 21st century can take place This book acknowledges and emphasises the role of assessment as a pedagogical tool to foster self directed learning during face to face and online learning situations The way in which higher education conceptualises teaching learning and assessment has been inevitably changed due to the COVID 19 pandemic and now more than ever we need learners to be self directed in their learning Assessment plays a key role in learning and therefore we have to identify innovative ways in which learning can be assessed and which are likely to become the new norm even after the pandemic has been brought under control The goal of this book consisting of original research is to assist with the paradigm shift regarding the purpose of assessment as well as providing new ideas on assessment strategies methods and tools appropriate to foster self directed learning in all modes of delivery *Journals* ,1894 Education at a Glance 2023 Sources, Methodologies and Technical Notes OECD,2023-09-12 This publication provides additional reference material for Education at a Glance 2023 the authoritative source for data on the state of education around the world It provides guidance on the data and methodology used to calculate each indicator It also contains references to the sources and specific notes for each country Resources in Education ,1998 *Introduction to Educational Measurement* Victor Herbert Noll,1965 *The Educational Times, and Journal of the College of Preceptors* ,1905 *ENC Focus* ,1999

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The Civil Service Question-book ... Charles William Bardeen,1888 Electronic Engineering and Information Science Dongxing Wang,2015-06-11 The International Conference of Electronic Engineering and Information Science 2015 ICEEIS 2015 was held on January 17 18 2015 Harbin China This proceedings volume assembles papers from various researchers engineers and educators engaged in the fields of electronic engineering and information science The papers in this proceedings **Report of the Committee of Twelve on Rural Schools Appointed at the Meeting of the National Educational Association, July 9, 1895** National Educational Association (U.S.). Committee of Twelve on Rural Schools,National Educational Association (U.S.),1897 **The New York State Examination Questions for Twenty Years, Being the Questions Given at the Examinations for State Certificates from 1875-1894** New York (State). Department of Public Instruction,1894 **Whitaker's Cumulative Book List** ,1951

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