



DEPARTMENT OF
EDUCATION

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

**ACCOUNTING P1
JUNE 2025
MARKING GUIDELINES**

MARKS: 150

MARKING PRINCIPLES:

1. Unless otherwise stated in the marking guidelines, penalties for foreign items are applied only if the candidate is not losing marks elsewhere in the question for that item (no penalty for misplaced item). No double penalty applied.
2. Penalties for placement or poor presentation (e.g. details) are applied only if the candidate is earning marks on the figures for that item.
3. Unless otherwise stated, give full marks for correct answer. If answer is incorrect, mark workings.
4. If a pre-adjustment figure is shown as a final figure, allocate the part-mark for the working for that figure (not the method mark for the answer). Note: if figures are stipulated in memo for components of workings, these do not carry the method mark for final answer as well.
5. Unless otherwise indicated, the positive or negative effect of any figure must be considered to award the mark. If no + or – sign or bracket is provided, assume that the figure is positive.
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8. This memorandum is not for public distribution; as certain items might imply incorrect treatment. The adjustments made are due to nuances in certain questions.
9. Where penalties are applied, the marks for that section of the question cannot be a final negative.
10. Where method marks are awarded for operation, marker must inspect reasonableness of answer.
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14. Be aware of candidates who provide valid alternatives beyond the marking guideline. Note that one comment could contain different aspects.
15. Codes: f = foreign item; p = placement/presentation.

These marking guidelines consist of 10 pages.

2014 Exemplar Physical Sciences P1 Memo

Ying Liu



2014 Exemplar Physical Sciences P1 Memo:

Studies in No-Self Physicalism Feng Ye, 2022-12-12 This book demonstrates how a radical version of physicalism No Self Physicalism can offer an internally coherent and comprehensive philosophical worldview It first argues that a coherent physicalist should explicitly treat a cognitive subject merely as a physical thing and should not vaguely assume an amorphous or even soul like subject or self This approach forces the physicalist to re examine traditional core philosophical notions such as truth analyticity modality apriority because our traditional understandings of them appear to be predicated on a cognitive subject that is not literally just a physical thing In turn working on the assumption that a cognitive subject is itself completely physical namely a neural network based robot programmed by evolution hence the term No Self the book proposes physicalistic theories on conceptual representation truth analyticity modality the nature of mathematics epistemic justification knowledge apriority and intuition as well as a physicalistic ontology These are meant to show that this No Self Physicalism perhaps the most minimalistic and radical version of physicalism proposed to date can accommodate many aspects that have traditionally interested philosophers Given its refreshingly radical approach and painstakingly developed content the book is of interest to anyone who is seeking a coherent philosophical worldview in this age of science

Technical Reports Awareness Circular : TRAC. , 1987-12 The Palgrave Handbook of Quantum Models in Social Science Emmanuel Haven, Andrei Khrennikov, 2017-02-06 It is not intuitive to accept that there exists a link between quantum physical systems and cognitive systems However recent research has shown that cognitive systems and collective social systems including biology exhibit uncertainty which can be successfully modelled with quantum probability The use of such probability allows for the modelling of situations which typically violate the laws of classical probability The Palgrave Handbook of Quantum Models in Social Science is a unique volume that brings together contributions from leading experts on key topics in this new and emerging field Completely self contained it begins with an introductory section which gathers all the fundamental notions required to be able to understand later chapters The handbook then moves on to address some of the latest research and applications for quantum methods in social science disciplines including economics politics and psychology It begins with the issue of how the quantum mechanical framework can be applied to economics Chapters devoted to this topic range from how Fisher information can be argued to play a role in economics to the foundations and application of quantum game theory The handbook then progresses in considering how belief states can be updated with the theory of quantum measurements and also with more general methods The practical use of the Hilbert space and Fock space in decision theory is then introduced and open quantum systems are also considered The handbook also treats a model of neural oscillators that reproduces some of the features of quantum cognition Other contributions delve into causal reasoning using quantum Bayes nets and the role of quantum probability in modelling so called affective evaluation The handbook is rounded off with two chapters which discuss the grand challenges which lie ahead of us How can the quantum formalism be

justified in social science and is the traditional quantum formalism too restrictive. Finally a question is posed whether there is a necessary role for quantum mathematical models to go beyond physics. This book will bring the latest and most cutting edge research on quantum theory to social science disciplines. Students and researchers across the discipline as well as those in the fields of physics and mathematics will welcome this important addition to the literature.

Quantum Structures in Cognitive and Social Science Diederik Aerts, Jan Broekaert, Liane Gabora, Sandro Sozzo, 2016-06-26

Traditional approaches to cognitive psychology correspond with a classical view of logic and probability theory. More specifically one typically assumes that cognitive processes of human thought are founded on the Boolean structures of classical logic while the probabilistic aspects of these processes are based on the Kolmogorovian structures of classical probability theory. However growing experimental evidence indicates that the models founded on classical structures systematically fail when human decisions are at stake. These experimental deviations from classical behavior have been called paradoxes, fallacies, effects or contradictions depending on the specific situation where they appear. But they involve a broad spectrum of cognitive and social science domains ranging from conceptual combination to decision making under uncertainty, behavioral economics and linguistics. This situation has constituted a serious drawback to the development of various disciplines like cognitive science, linguistics, artificial intelligence, economic modeling and behavioral finance. A different approach to cognitive psychology initiated two decades ago has meanwhile matured into a new domain of research called quantum cognition. Its main feature is the use of the mathematical formalism of quantum theory as modeling tool for these cognitive situations where traditional classically based approaches fail. Quantum cognition has recently attracted the interest of important journals and editing houses, academic and funding institutions, popular science and media. Specifically within a quantum cognition approach one assumes that human decisions do not necessarily obey the rules of Boolean logic and Kolmogorovian probability and can on the contrary be modeled by the quantum mechanical formalism. Different concrete quantum theoretic models have meanwhile been developed that successfully represent the cognitive situations that are classically problematical by explaining observed deviations from classicality in terms of genuine quantum effects such as contextuality, emergence, interference, superposition, entanglement and indistinguishability. In addition the validity of these quantum models is convincingly confirmed by new experimental tests. We also stress that since the use of a quantum theoretic framework is mainly for modeling purposes the identification of quantum structures in cognitive processes does not presuppose without being incompatible with it the existence of microscopic quantum processes in the human brain. In this Research Topic we review the major achievements that have been obtained in quantum cognition by providing an accurate picture of the state of the art of this emerging discipline. Our overview does not pretend to be either complete or exhaustive. But we aim to introduce psychologists and social scientists to this challenging new research area encouraging them at the same time to consider its promising results. It is our opinion that if continuous progress in this domain can be realized quantum cognition can constitute an important

breakthrough in cognitive psychology and potentially open the way towards a new scientific paradigm in social science

Boccaccio and the Book Rhiannon Daniels, 2009 This book is collections of essays on Italian literature language history culture politics art and media during 1340 1520 It discusses the Boccaccio s assumption within the text of the Teseida Decameron and De mulieribus Life-span Human Development Carol K. Sigelman, Elizabeth A. Rider, 2003 By combining the best of topical and chronological approaches this text presents life span development as a motion picture rather than as a series of individual snapshots Cumulated Index Medicus ,1990 *Current Index to Journals in Education* ,2002

Subject-index of the Books in the Author Catalogues for the Years 1869-1895 Public Library of New South Wales. Reference Dept, 1903 *Handbook for Blast Resistant Design of Buildings* Donald O. Dusenberry, 2010-01-26 Unique single reference supports functional and cost efficient designs of blast resistant buildings Now there s a single reference to which architects designers and engineers can turn for guidance on all the key elements of the design of blast resistant buildings that satisfy the new ASCE Standard for Blast Protection of Buildings as well as other ASCE ACI and AISC codes The Handbook for Blast Resistant Design of Buildings features contributions from some of the most knowledgeable and experienced consultants and researchers in blast resistant design This handbook is organized into four parts Part 1 Design Considerations sets forth basic principles examining general considerations in the design process risk analysis and reduction criteria for acceptable performance materials performance under the extraordinary blast environment and performance verification for technologies and solution methodologies Part 2 Blast Phenomena and Loading describes the explosion environment loading functions needed for blast response analysis and fragmentation and associated methods for effects analysis Part 3 System Analysis and Design explains the analysis and design considerations for structural building envelope component space site perimeter and building system designs Part 4 Blast Resistant Detailing addresses the use of concrete steel and masonry in new designs as well as retrofitting existing structures As the demand for blast resistant buildings continues to grow readers can turn to the Handbook for Blast Resistant Design of Buildings a unique single source of information to support competent functional and cost efficient designs *The Criminal Justice Periodical Index* ,1975

Social Sciences Index ,1999 The Latin Alexander Trallianus D. R. Langslow, 2006 The present work offers an extensive introduction to the text and transmission of the ancient Latin version of the medical works Therapeutica and On Fevers of the great sixth century Greek doctor Alexander of Tralles The importance of the Latin Alexander in medieval medicine in the West is seen in the richness of both mainstream and secondary excerpting manuscript traditions The tradition is such that the reconstructed Latin text promises to be a much more important witness to the Greek text than the Greek is to the Latin and of course a reliable edition is a prerequisite for any systematic work on questions such as the provenance of the translation and the Latinity of the translator s The volume comprises an introduction to Alexander an outline account of his works in Greek compared with the Latin version a description of the Latin manuscript copies and a

proposed reconstruction of the genetic relations between them some preliminary remarks on the Latinity of the Latin
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