



(CCE1)

NSW Coal Competence Board

EXAMINATION FOR CERTIFICATE OF COMPETENCE AS Mine Electrical Engineer

(Coal Mine Health and Safety Act 2002)

8.30am – 12.30pm, 22nd August 2012

Application of Electrical Engineering to Mining

INSTRUCTIONS TO CANDIDATES:

It is expected that candidates will present their answers in an engineering manner making full use of diagrams, tables, and relevant circuits where applicable and showing full working in calculations. Neatness in diagrams is essential and will be considered in the allocation of marks. Questions are to be answered as a prospective manager of electrical engineering at a NSW mine.

- Examination time **3 hours**
- Each whole question is designed for a **15 minute** answer
- Candidates should attempt **all** questions
- Candidates must mark each answer page with their **Candidate Examination Number**
- **All** questions are allocated with their respective marking value
- Parts of the answers for questions 1 & 2 are to be provided on the 'Boutique mine dewatering system project plan' spreadsheet and the 'Boutique mine 18T panel' drawings. All A3-size sheets are to be noted with your candidate number clearly visible where indicated and handed in with your answer book.

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L Reisser



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