

EXAMINER REPORT

Mining engineering manager of underground mines other than coal mines certificate of competence

July to September 2018

Written examination

Summary of results and general comments

Examination date:	6 July 2018
Number candidates:	4
Number who passed:	2
Highest overall mark:	85.5%
Average overall mark:	77.9%
Lowest overall mark:	70.7%

Part A – Legislation knowledge

Summary of results and general comments

Exam Date:	6 July 2018
Number of Candidates:	4
Number who passed:	4
Highest mark:	91.9%
Average mark:	85.0%
Lowest mark:	78.3%

Question 1 (total of 10 marks)

Highest mark:	8.7
Average mark:	7.5
Lowest mark:	6.2

Examiner comments

This question related to associated non-technical skills and their application by a manager. The varying results most likely reflected that some candidates had limited exposure to using these skills in a practical application. The

question required the candidate to identify that there were cultural issues at the mine that needed to be changed and some candidates did not highlight how they would address this.

Question 2 (total of 10 marks)

Highest mark: 10.0

Average mark: 8.9

Lowest mark: 7.0

Examiner comments

This question was about control plans and all candidates were able to name 2 other prescribed control plans. However, the second part of the question asked for control measures to be identified. Some of the candidates quoted matters required by legislation to be considered and failed to realise that these are not control measures.

Question 3 (total of 10 marks)

Highest mark: 10.0

Average mark: 8.8

Lowest mark: 7.3

Examiner comments

This question asked candidates about the circumstances in which an inspector may serve notices and this was generally answered well. However, the second part of the question asked for an example situation where a notice may be served and not all candidates provided the required examples.

Question 4 (total of 10 marks)

Highest mark: 10.0

Average mark: 9.6

Lowest mark: 9.2

Examiner comments

This question was about air quality and monitoring. The required answers were straightforward, and all candidates generally answered the question well.

Question 5 (total of 10 marks)

Highest mark: 9.0

Average mark: 7.3

Lowest mark: 5.5

Examiner comments

This question was about contractor management and there was a range of candidate responses which were marked accordingly. If candidates are making assumptions or interpretations in their responses, they should state them.

Question 6 (total of 10 marks)

Highest mark: 10.0

Average mark: 10.0

Lowest mark: 10.0

Examiner comments

This question was about mine survey plans and all candidates responded with suitable answers.

Question 7 (total of 10 marks)

Highest mark: 9.2

Average mark: 7.5

Lowest mark: 4.7

Examiner comments

This question was about hazards associated with the operation of underground mobile equipment and resulted in a wide range of answers. Some candidates were not systematic and responded poorly in describing the controls they would consider for each of the hazards they identified.

Part B – Legislation knowledge and application

Summary of results and general comments

Exam Date: 6 July 2018

Number of Candidates: 4

Number who passed: 2

Highest mark: 70.6

Average mark: 61.3

Lowest mark: 52.8

Question 8 (total 15 marks)

Highest mark: 11.8

Average mark: 9.8

Lowest mark: 8.2

Examiner comments

This question was related to implementation of a principal hazard management plan. Some candidates performed poorly in the last part of the question, which required the candidate to list, categorise and describe the controls they identified using the hierarchy of controls.

Question 9 (total 15 marks)

Highest mark: 10.5

Average mark: 8.6

Lowest mark: 7.0

Examiner comments

This question related to a serious incident and required the candidate to explain the actions they would take to resolve various outcomes. In one part of the question, this related to ensuring the rescue of personnel, yet one candidate did not get past conducting a risk assessment in their response. This was not a satisfactory outcome with personnel still not rescued.

General comments

- In some cases where scores were poor, it was apparent that the candidates had not read and understood the questions.
- The 2 situational questions achieved variable results and generally indicated that the candidates who failed were not sufficiently experienced and knowledgeable to provide satisfactory answers.
- Key characteristics that may be demonstrated through these written examinations and which are essential skills for a person who holds a key statutory function are:
 - Ability to analyse information and respond appropriately
 - Ability to provide leadership in varying operational events including emergencies

Oral examination

Date: 17 September 2018

Number of candidates: 2

Number deemed competent: 2

General comments

- The candidates had different career experiences. Where the candidate had lesser operational experience it was considered that they were nevertheless able to analyse information and respond appropriately.
- Candidates must ensure that they have enough knowledge and experience to effectively fulfil leadership roles to exercise the statutory function.

More information

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Acknowledgments

Mining engineering manager of underground mines other than coal mines examination panel

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