

March 2025

Model Question Sample (1)

Quarry manager certificate of competence written exam

Examination panel	Quarry Managers		
Examination paper	PART B (Application of legislation & technical knowledge)	Examination date	N/A
Question prepared by	Name: Panel convenor Date: 6 September 2021 Revised for blueprinting – 4 March 2025	Question reviewed by	Name: Andrew Palmer Date: 14 September 2021 4 March 2025
Competency being assessed	Operational decision making and initiative	Question type	Short Answer

Table 1. Quarry manager sample question

Domain/focus area	Competency(s)	Question	Marking criteria	Reference material
<p>Apply working knowledge and technical understanding of effective controls for the management of hazards, safe operation, inspection and maintenance of systems, plant and equipment, relevant to the statutory function, such as: life risks/hazards and controls cycle management plans change management plans review of control measures.</p>	<p>Apply working knowledge and technical understanding to the development and implementation of effective controls relevant to mining operations and/or the operation and maintenance of plant and equipment.</p>	<p>You are the Quarry Manager of a site that is mining above known old underground workings.</p> <p>There is a history of potential intersections with these workings (photo attached). List eight (8) controls that you would implement to manage mining in and around these workings? (8 marks)</p>	<p>Combination of the following points: (if the candidate is able to list 6 items, they will be deemed competent)</p> <ol style="list-style-type: none"> 1. Conduct risk assessment with cross section of team 2. Include controls in PHMP for Ground or strata failure 3. Ensure Standard Operating Procedures (SOP) are developed and well understood 4. Consider elimination (sterilise) if effective controls cannot be implemented 5. Obtain historical records of known workings (Mines Dept or mine holder) 6. Establish survey control (overall pit, areas of concern, individual bench control) 7. Include old workings onto survey plan 8. Pre-coverage drilling to locate voids 9. Mark out of identified areas on the ground 10. Ground penetrating radio techniques (or equivalent) 11. Review mining method to reduce expose (bench height, machine selection, direction of mining) Implement inspection controls 12. Train operators and supervisors 13. Arrange for spotters 	<p>Note: blueprinting changes for written means moving from 'pass marks' to 'competent' or 'not competent' marking from 2022/2023 financial year. For this sample question, for exams their answer to be deemed competent the candidate would need to need to list 6 of the identified controls.</p> 